

Report No.: SEWA2210000069RG02

Rev.: 01

Page: 1 of 52

Appendix B.11

NR Band n12



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC Standards Technical Services (Suzhou) Co., Ltd.
(Wireless Laboratory)

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Effective (Isotropic) Radiated Power Output Data for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Power (dBm)	ERP (dBm)	Limit	Verdict
N12	15	5	DFT-PI2BPSK	L	Inner_1RB_Left	23.29	22.11	34.77	PASS
N12	15	5	DFT-PI2BPSK	L	Inner_1RB_Right	23.32	22.14	34.77	PASS
N12	15	5	DFT-PI2BPSK	L	Outer_Full	22.91	21.73	34.77	PASS
N12	15	5	DFT-QPSK	L	Inner_1RB_Left	23.44	22.26	34.77	PASS
N12	15	5	DFT-QPSK	L	Inner_1RB_Right	23.43	22.25	34.77	PASS
N12	15	5	DFT-QPSK	L	Outer_Full	22.42	21.24	34.77	PASS
N12	15	5	DFT-16QAM	L	Inner_1RB_Left	22.29	21.11	34.77	PASS
N12	15	5	DFT-16QAM	L	Inner_1RB_Right	22.29	21.11	34.77	PASS
N12	15	5	DFT-16QAM	L	Outer_Full	21.37	20.19	34.77	PASS
N12	15	5	DFT-64QAM	L	Inner_1RB_Left	20.99	19.81	34.77	PASS
N12	15	5	DFT-64QAM	L	Inner_1RB_Right	20.99	19.81	34.77	PASS
N12	15	5	DFT-64QAM	L	Outer_Full	20.9	19.72	34.77	PASS
N12	15	5	DFT-256QAM	L	Inner_1RB_Left	18.86	17.68	34.77	PASS
N12	15	5	DFT-256QAM	L	Inner_1RB_Right	18.91	17.73	34.77	PASS
N12	15	5	DFT-256QAM	L	Outer_Full	19.05	17.87	34.77	PASS
N12	15	5	DFT-PI2BPSK	M	Inner_1RB_Left	23.24	22.06	34.77	PASS
N12	15	5	DFT-PI2BPSK	M	Inner_1RB_Right	23.33	22.15	34.77	PASS
N12	15	5	DFT-PI2BPSK	M	Outer_Full	22.81	21.63	34.77	PASS
N12	15	5	DFT-QPSK	M	Inner_1RB_Left	23.42	22.24	34.77	PASS
N12	15	5	DFT-QPSK	M	Inner_1RB_Right	23.4	22.22	34.77	PASS
N12	15	5	DFT-QPSK	M	Outer_Full	22.28	21.1	34.77	PASS
N12	15	5	DFT-16QAM	M	Inner_1RB_Left	22.27	21.09	34.77	PASS
N12	15	5	DFT-16QAM	M	Inner_1RB_Right	22.27	21.09	34.77	PASS
N12	15	5	DFT-16QAM	M	Outer_Full	21.24	20.06	34.77	PASS
N12	15	5	DFT-64QAM	M	Inner_1RB_Left	20.99	19.81	34.77	PASS
N12	15	5	DFT-64QAM	M	Inner_1RB_Right	20.92	19.74	34.77	PASS
N12	15	5	DFT-64QAM	M	Outer_Full	20.82	19.64	34.77	PASS
N12	15	5	DFT-256QAM	M	Inner_1RB_Left	18.96	17.78	34.77	PASS
N12	15	5	DFT-256QAM	M	Inner_1RB_Right	18.86	17.68	34.77	PASS
N12	15	5	DFT-256QAM	M	Outer_Full	18.56	17.38	34.77	PASS
N12	15	5	DFT-PI2BPSK	H	Inner_1RB_Left	23.29	22.11	34.77	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



N12	15	5	DFT-PI2BPSK	H	Inner_1RB_Right	23.34	22.16	34.77	PASS
N12	15	5	DFT-PI2BPSK	H	Outer_Full	22.88	21.7	34.77	PASS
N12	15	5	DFT-QPSK	H	Inner_1RB_Left	23.43	22.25	34.77	PASS
N12	15	5	DFT-QPSK	H	Inner_1RB_Right	23.53	22.35	34.77	PASS
N12	15	5	DFT-QPSK	H	Outer_Full	22.34	21.16	34.77	PASS
N12	15	5	DFT-16QAM	H	Inner_1RB_Left	22.21	21.03	34.77	PASS
N12	15	5	DFT-16QAM	H	Inner_1RB_Right	22.28	21.1	34.77	PASS
N12	15	5	DFT-16QAM	H	Outer_Full	21.35	20.17	34.77	PASS
N12	15	5	DFT-64QAM	H	Inner_1RB_Left	21	19.82	34.77	PASS
N12	15	5	DFT-64QAM	H	Inner_1RB_Right	21.07	19.89	34.77	PASS
N12	15	5	DFT-64QAM	H	Outer_Full	20.84	19.66	34.77	PASS
N12	15	5	DFT-256QAM	H	Inner_1RB_Left	18.93	17.75	34.77	PASS
N12	15	5	DFT-256QAM	H	Inner_1RB_Right	18.96	17.78	34.77	PASS
N12	15	5	DFT-256QAM	H	Outer_Full	19.01	17.83	34.77	PASS
N12	15	10	DFT-PI2BPSK	L	Inner_1RB_Left	23.24	22.06	34.77	PASS
N12	15	10	DFT-PI2BPSK	L	Inner_1RB_Right	23.25	22.07	34.77	PASS
N12	15	10	DFT-PI2BPSK	L	Outer_Full	22.76	21.58	34.77	PASS
N12	15	10	DFT-QPSK	L	Inner_1RB_Left	23.38	22.2	34.77	PASS
N12	15	10	DFT-QPSK	L	Inner_1RB_Right	23.42	22.24	34.77	PASS
N12	15	10	DFT-QPSK	L	Outer_Full	22.35	21.17	34.77	PASS
N12	15	10	DFT-16QAM	L	Inner_1RB_Left	22.34	21.16	34.77	PASS
N12	15	10	DFT-16QAM	L	Inner_1RB_Right	22.4	21.22	34.77	PASS
N12	15	10	DFT-16QAM	L	Outer_Full	21.27	20.09	34.77	PASS
N12	15	10	DFT-64QAM	L	Inner_1RB_Left	21	19.82	34.77	PASS
N12	15	10	DFT-64QAM	L	Inner_1RB_Right	21.03	19.85	34.77	PASS
N12	15	10	DFT-64QAM	L	Outer_Full	20.78	19.6	34.77	PASS
N12	15	10	DFT-256QAM	L	Inner_1RB_Left	18.81	17.63	34.77	PASS
N12	15	10	DFT-256QAM	L	Inner_1RB_Right	18.88	17.7	34.77	PASS
N12	15	10	DFT-256QAM	L	Outer_Full	18.94	17.76	34.77	PASS
N12	15	10	DFT-PI2BPSK	M	Inner_1RB_Left	23.25	22.07	34.77	PASS
N12	15	10	DFT-PI2BPSK	M	Inner_1RB_Right	23.35	22.17	34.77	PASS
N12	15	10	DFT-PI2BPSK	M	Outer_Full	22.76	21.58	34.77	PASS
N12	15	10	DFT-QPSK	M	Inner_1RB_Left	23.34	22.16	34.77	PASS
N12	15	10	DFT-QPSK	M	Inner_1RB_Right	23.44	22.26	34.77	PASS
N12	15	10	DFT-QPSK	M	Outer_Full	22.3	21.12	34.77	PASS
N12	15	10	DFT-16QAM	M	Inner_1RB_Left	22.27	21.09	34.77	PASS
N12	15	10	DFT-16QAM	M	Inner_1RB_Right	22.39	21.21	34.77	PASS
N12	15	10	DFT-16QAM	M	Outer_Full	21.25	20.07	34.77	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



N12	15	10	DFT-64QAM	M	Inner_1RB_Left	20.97	19.79	34.77	PASS
N12	15	10	DFT-64QAM	M	Inner_1RB_Right	21.08	19.9	34.77	PASS
N12	15	10	DFT-64QAM	M	Outer_Full	20.74	19.56	34.77	PASS
N12	15	10	DFT-256QAM	M	Inner_1RB_Left	18.81	17.63	34.77	PASS
N12	15	10	DFT-256QAM	M	Inner_1RB_Right	18.94	17.76	34.77	PASS
N12	15	10	DFT-256QAM	M	Outer_Full	18.88	17.7	34.77	PASS
N12	15	10	DFT-PI2BPSK	H	Inner_1RB_Left	23.85	22.67	34.77	PASS
N12	15	10	DFT-PI2BPSK	H	Inner_1RB_Right	23.36	22.18	34.77	PASS
N12	15	10	DFT-PI2BPSK	H	Outer_Full	23.21	22.03	34.77	PASS
N12	15	10	DFT-QPSK	H	Inner_1RB_Left	23.36	22.18	34.77	PASS
N12	15	10	DFT-QPSK	H	Inner_1RB_Right	23.47	22.29	34.77	PASS
N12	15	10	DFT-QPSK	H	Outer_Full	22.4	21.22	34.77	PASS
N12	15	10	DFT-16QAM	H	Inner_1RB_Left	22.3	21.12	34.77	PASS
N12	15	10	DFT-16QAM	H	Inner_1RB_Right	22.46	21.28	34.77	PASS
N12	15	10	DFT-16QAM	H	Outer_Full	21.41	20.23	34.77	PASS
N12	15	10	DFT-64QAM	H	Inner_1RB_Left	20.98	19.8	34.77	PASS
N12	15	10	DFT-64QAM	H	Inner_1RB_Right	21.08	19.9	34.77	PASS
N12	15	10	DFT-64QAM	H	Outer_Full	20.88	19.7	34.77	PASS
N12	15	10	DFT-256QAM	H	Inner_1RB_Left	18.77	17.59	34.77	PASS
N12	15	10	DFT-256QAM	H	Inner_1RB_Right	19	17.82	34.77	PASS
N12	15	10	DFT-256QAM	H	Outer_Full	19.04	17.86	34.77	PASS
N12	15	15	DFT-PI2BPSK	L	Inner_1RB_Left	23.22	22.04	34.77	PASS
N12	15	15	DFT-PI2BPSK	L	Inner_1RB_Right	23.34	22.16	34.77	PASS
N12	15	15	DFT-PI2BPSK	L	Outer_Full	22.76	21.58	34.77	PASS
N12	15	15	DFT-QPSK	L	Inner_1RB_Left	23.32	22.14	34.77	PASS
N12	15	15	DFT-QPSK	L	Inner_1RB_Right	23.44	22.26	34.77	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	22.27	21.09	34.77	PASS
N12	15	15	DFT-16QAM	L	Inner_1RB_Left	22.3	21.12	34.77	PASS
N12	15	15	DFT-16QAM	L	Inner_1RB_Right	22.36	21.18	34.77	PASS
N12	15	15	DFT-16QAM	L	Outer_Full	21.31	20.13	34.77	PASS
N12	15	15	DFT-64QAM	L	Inner_1RB_Left	20.91	19.73	34.77	PASS
N12	15	15	DFT-64QAM	L	Inner_1RB_Right	21.05	19.87	34.77	PASS
N12	15	15	DFT-64QAM	L	Outer_Full	20.8	19.62	34.77	PASS
N12	15	15	DFT-256QAM	L	Inner_1RB_Left	18.78	17.6	34.77	PASS
N12	15	15	DFT-256QAM	L	Inner_1RB_Right	18.96	17.78	34.77	PASS
N12	15	15	DFT-256QAM	L	Outer_Full	18.92	17.74	34.77	PASS
N12	15	15	DFT-PI2BPSK	M	Inner_1RB_Left	23.15	21.97	34.77	PASS
N12	15	15	DFT-PI2BPSK	M	Inner_1RB_Right	23.33	22.15	34.77	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

N12	15	15	DFT-PI2BPSK	M	Outer_Full	22.76	21.58	34.77	PASS
N12	15	15	DFT-QPSK	M	Inner_1RB_Left	23.26	22.08	34.77	PASS
N12	15	15	DFT-QPSK	M	Inner_1RB_Right	23.45	22.27	34.77	PASS
N12	15	15	DFT-QPSK	M	Outer_Full	22.3	21.12	34.77	PASS
N12	15	15	DFT-16QAM	M	Inner_1RB_Left	22.23	21.05	34.77	PASS
N12	15	15	DFT-16QAM	M	Inner_1RB_Right	22.44	21.26	34.77	PASS
N12	15	15	DFT-16QAM	M	Outer_Full	21.32	20.14	34.77	PASS
N12	15	15	DFT-64QAM	M	Inner_1RB_Left	20.94	19.76	34.77	PASS
N12	15	15	DFT-64QAM	M	Inner_1RB_Right	21.04	19.86	34.77	PASS
N12	15	15	DFT-64QAM	M	Outer_Full	20.79	19.61	34.77	PASS
N12	15	15	DFT-256QAM	M	Inner_1RB_Left	18.74	17.56	34.77	PASS
N12	15	15	DFT-256QAM	M	Inner_1RB_Right	18.94	17.76	34.77	PASS
N12	15	15	DFT-256QAM	M	Outer_Full	18.98	17.8	34.77	PASS
N12	15	15	DFT-PI2BPSK	H	Inner_1RB_Left	23.36	22.18	34.77	PASS
N12	15	15	DFT-PI2BPSK	H	Inner_1RB_Right	23.25	22.07	34.77	PASS
N12	15	15	DFT-PI2BPSK	H	Outer_Full	23.21	22.03	34.77	PASS
N12	15	15	DFT-QPSK	H	Inner_1RB_Left	23.24	22.06	34.77	PASS
N12	15	15	DFT-QPSK	H	Inner_1RB_Right	23.43	22.25	34.77	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	22.37	21.19	34.77	PASS
N12	15	15	DFT-16QAM	H	Inner_1RB_Left	22.27	21.09	34.77	PASS
N12	15	15	DFT-16QAM	H	Inner_1RB_Right	22.37	21.19	34.77	PASS
N12	15	15	DFT-16QAM	H	Outer_Full	21.35	20.17	34.77	PASS
N12	15	15	DFT-64QAM	H	Inner_1RB_Left	20.9	19.72	34.77	PASS
N12	15	15	DFT-64QAM	H	Inner_1RB_Right	21.07	19.89	34.77	PASS
N12	15	15	DFT-64QAM	H	Outer_Full	20.81	19.63	34.77	PASS
N12	15	15	DFT-256QAM	H	Inner_1RB_Left	18.81	17.63	34.77	PASS
N12	15	15	DFT-256QAM	H	Inner_1RB_Right	18.89	17.71	34.77	PASS
N12	15	15	DFT-256QAM	H	Outer_Full	18.96	17.78	34.77	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Peak-to-Average Ratio for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	DutyCycle	Factor	Result	Limit	Verdict
N12	15	15	DFT-256QAM	L	Outer_Full	100%	0.00	8.92	≤13	PASS
N12	15	15	CP-256QAM	L	Outer_Full	100%	0.00	9.89	≤13	PASS
N12	15	15	DFT-256QAM	M	Outer_Full	100%	0.00	9.07	≤13	PASS
N12	15	15	CP-256QAM	M	Outer_Full	100%	0.00	9.92	≤13	PASS
N12	15	15	DFT-256QAM	H	Outer_Full	100%	0.00	9.11	≤13	PASS
N12	15	15	CP-256QAM	H	Outer_Full	100%	0.00	9.81	≤13	PASS



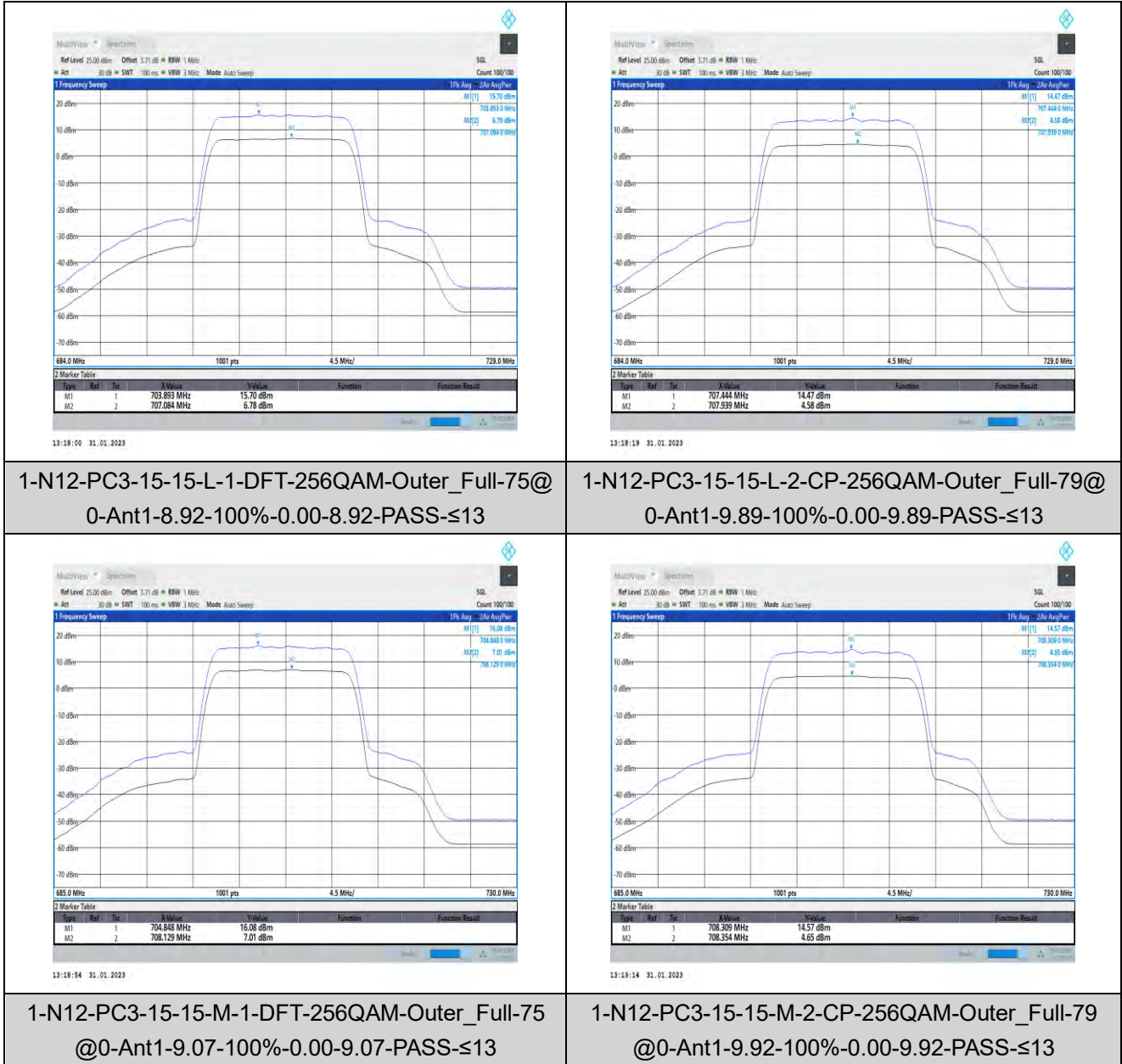
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Test Graphs



1-N12-PC3-15-15-L-1-DFT-256QAM-Outer_Full-75@
 0-Ant1-8.92-100%-0.00-8.92-PASS-≤13

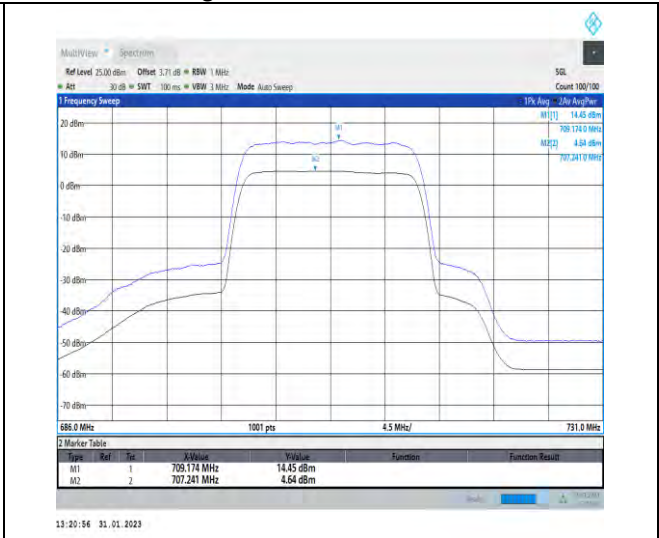
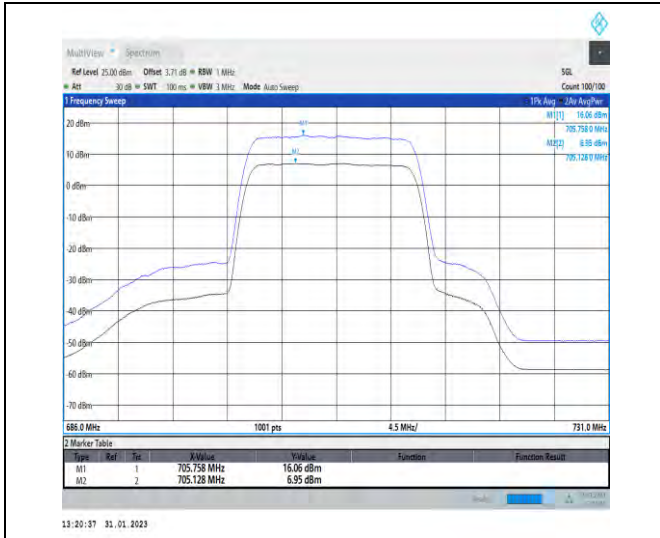
1-N12-PC3-15-15-L-2-CP-256QAM-Outer_Full-79@
 0-Ant1-9.89-100%-0.00-9.89-PASS-≤13

1-N12-PC3-15-15-M-1-DFT-256QAM-Outer_Full-75
 @0-Ant1-9.07-100%-0.00-9.07-PASS-≤13

1-N12-PC3-15-15-M-2-CP-256QAM-Outer_Full-79
 @0-Ant1-9.92-100%-0.00-9.92-PASS-≤13



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



1-N12-PC3-15-15-H-1-DFT-256QAM-Outer_Full-75 @0-Ant1-9.11-100%-0.00-9.11-PASS-≤13

1-N12-PC3-15-15-H-2-CP-256QAM-Outer_Full-79@ 0-Ant1-9.81-100%-0.00-9.81-PASS-≤13



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Modulation characteristics for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result	Verdict
N12	15	15	DFT-PI2BPSK	M	Outer_Full	see graph	PASS
N12	15	15	DFT-QPSK	M	Outer_Full	see graph	PASS
N12	15	15	DFT-16QAM	M	Outer_Full	see graph	PASS
N12	15	15	DFT-64QAM	M	Outer_Full	see graph	PASS
N12	15	15	DFT-256QAM	M	Outer_Full	see graph	PASS
N12	15	15	CP-QPSK	M	Outer_Full	see graph	PASS
N12	15	15	CP-16QAM	M	Outer_Full	see graph	PASS
N12	15	15	CP-64QAM	M	Outer_Full	see graph	PASS
N12	15	15	CP-256QAM	M	Outer_Full	see graph	PASS



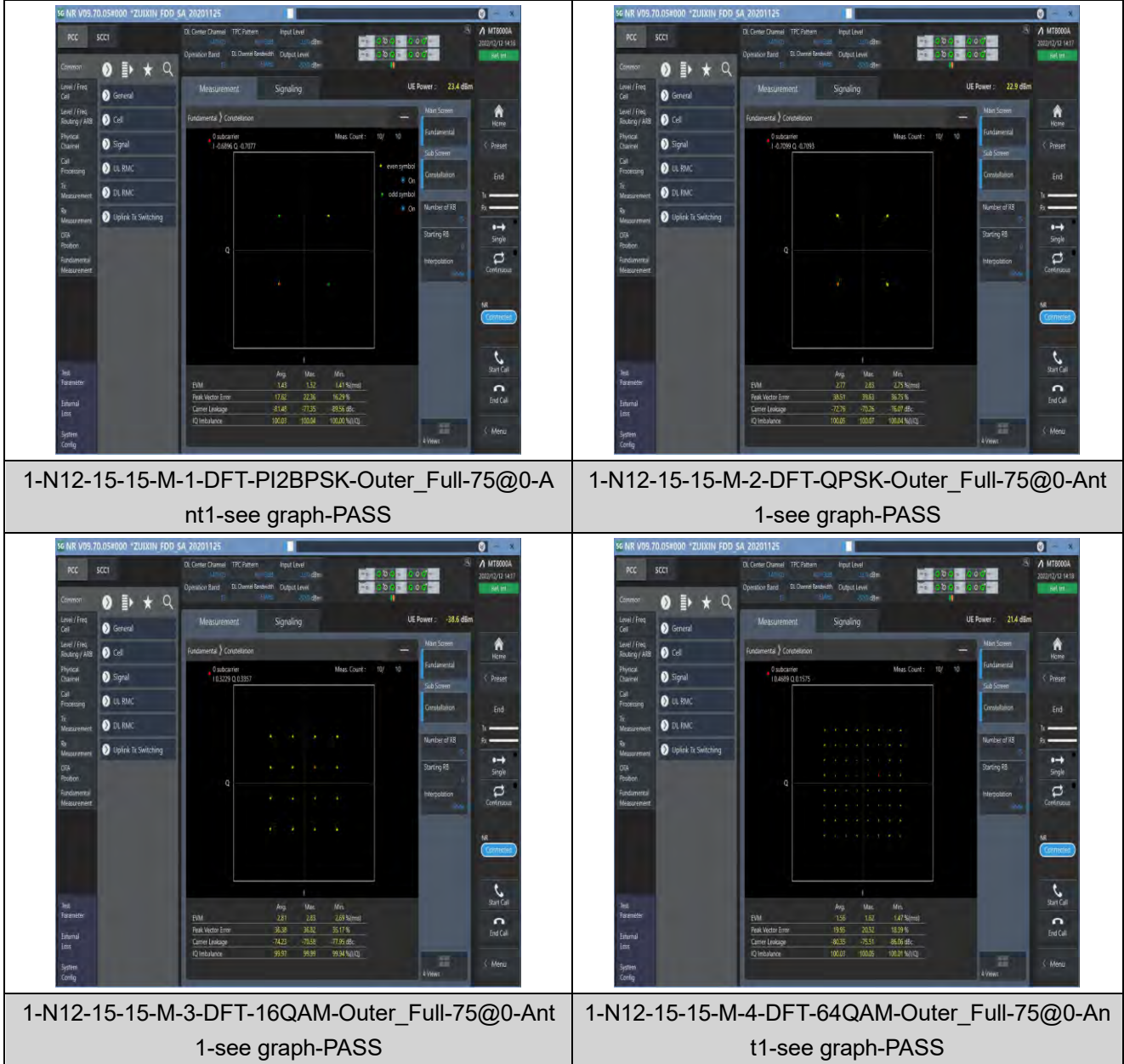
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

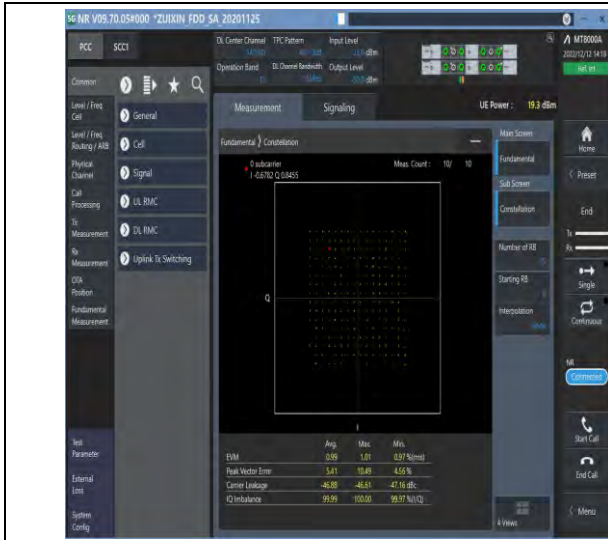
South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

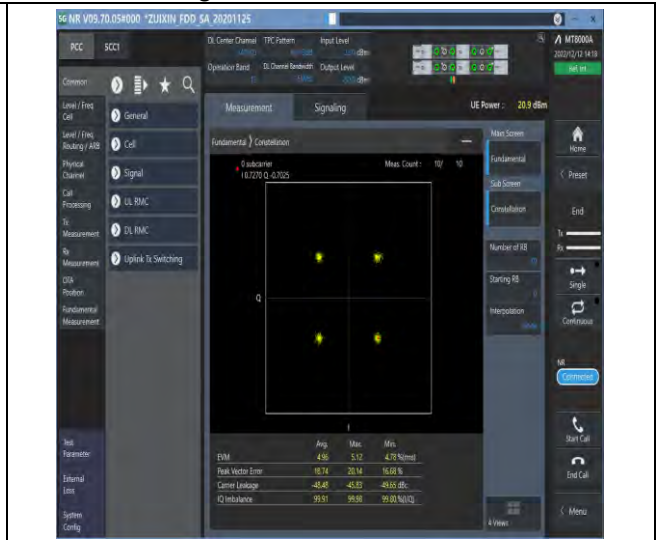
Test Graphs



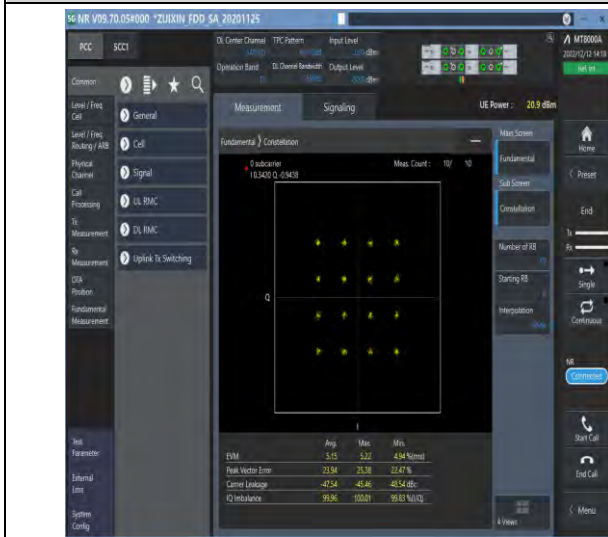
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions-Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南座 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



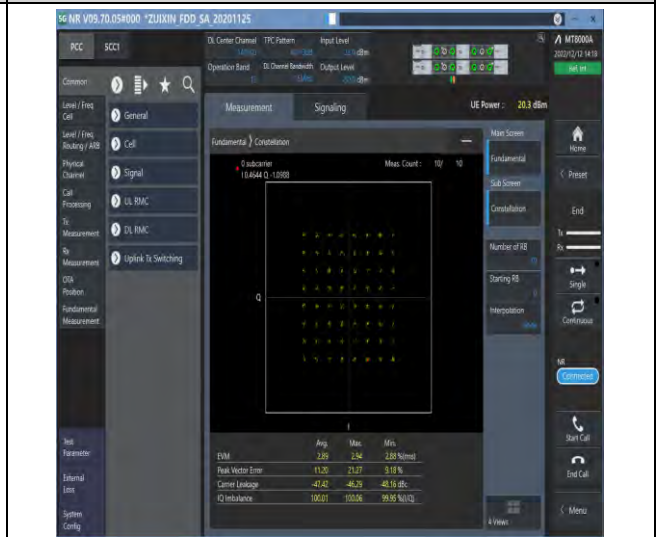
1-N12-15-15-M-5-DFT-256QAM-Outer_Full-75@0-Ant1
t1-see graph-PASS



1-N12-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant1
-see graph-PASS



1-N12-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant1-
see graph-PASS



1-N12-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant
1-see graph-PASS

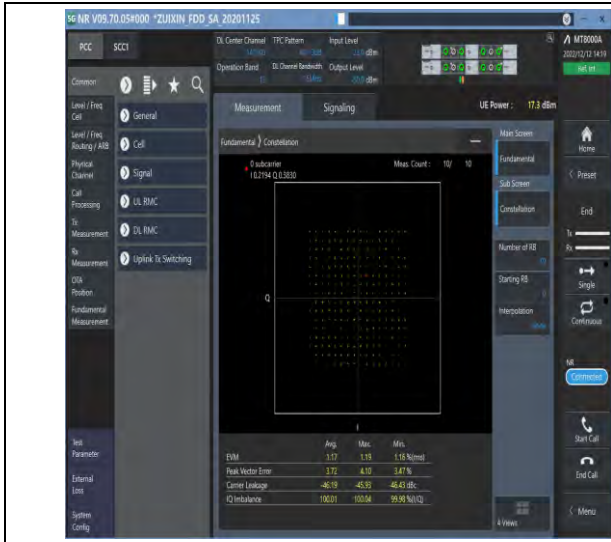


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Punsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南座 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com



1-N12-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant
1-see graph-PASS



26dB Bandwidth and Occupied Bandwidth for SA

Test Result

Band	SCS	Bandwidth	Modulation	Channel	RB Config	Result (99%)	Result (26dB)	Verdict
N12	15	5	DFT-QPSK	L	Outer_Full	4.465	4.840	PASS
N12	15	5	DFT-PI2BPSK	L	Outer_Full	4.472	4.900	PASS
N12	15	5	DFT-16QAM	L	Outer_Full	4.455	4.750	PASS
N12	15	5	DFT-64QAM	L	Outer_Full	4.471	4.780	PASS
N12	15	5	DFT-256QAM	L	Outer_Full	4.484	4.860	PASS
N12	15	5	CP-QPSK	L	Outer_Full	4.471	4.870	PASS
N12	15	5	CP-16QAM	L	Outer_Full	4.48	4.840	PASS
N12	15	5	CP-64QAM	L	Outer_Full	4.463	4.780	PASS
N12	15	5	CP-256QAM	L	Outer_Full	4.471	4.870	PASS
N12	15	5	DFT-QPSK	M	Outer_Full	4.469	4.870	PASS
N12	15	5	DFT-PI2BPSK	M	Outer_Full	4.47	4.880	PASS
N12	15	5	DFT-16QAM	M	Outer_Full	4.46	4.820	PASS
N12	15	5	DFT-64QAM	M	Outer_Full	4.464	5.020	PASS
N12	15	5	DFT-256QAM	M	Outer_Full	4.478	4.830	PASS
N12	15	5	CP-QPSK	M	Outer_Full	4.464	4.850	PASS
N12	15	5	CP-16QAM	M	Outer_Full	4.47	4.820	PASS
N12	15	5	CP-64QAM	M	Outer_Full	4.46	4.860	PASS
N12	15	5	CP-256QAM	M	Outer_Full	4.471	4.800	PASS
N12	15	5	DFT-QPSK	H	Outer_Full	4.449	4.830	PASS
N12	15	5	DFT-PI2BPSK	H	Outer_Full	4.474	4.870	PASS
N12	15	5	DFT-16QAM	H	Outer_Full	4.462	4.780	PASS
N12	15	5	DFT-64QAM	H	Outer_Full	4.46	4.760	PASS
N12	15	5	DFT-256QAM	H	Outer_Full	4.49	4.850	PASS
N12	15	5	CP-QPSK	H	Outer_Full	4.46	4.800	PASS
N12	15	5	CP-16QAM	H	Outer_Full	4.472	4.760	PASS
N12	15	5	CP-64QAM	H	Outer_Full	4.466	4.780	PASS
N12	15	5	CP-256QAM	H	Outer_Full	4.474	4.820	PASS
N12	15	10	DFT-QPSK	L	Outer_Full	8.911	9.540	PASS
N12	15	10	DFT-PI2BPSK	L	Outer_Full	8.908	9.480	PASS
N12	15	10	DFT-16QAM	L	Outer_Full	8.913	9.500	PASS
N12	15	10	DFT-64QAM	L	Outer_Full	8.919	9.580	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



N12	15	10	DFT-256QAM	L	Outer_Full	8.92	9.500	PASS
N12	15	10	CP-QPSK	L	Outer_Full	9.295	9.820	PASS
N12	15	10	CP-16QAM	L	Outer_Full	9.291	9.800	PASS
N12	15	10	CP-64QAM	L	Outer_Full	9.303	9.860	PASS
N12	15	10	CP-256QAM	L	Outer_Full	9.27	9.840	PASS
N12	15	10	DFT-QPSK	M	Outer_Full	8.914	9.460	PASS
N12	15	10	DFT-PI2BPSK	M	Outer_Full	8.94	9.480	PASS
N12	15	10	DFT-16QAM	M	Outer_Full	8.93	9.560	PASS
N12	15	10	DFT-64QAM	M	Outer_Full	8.935	9.640	PASS
N12	15	10	DFT-256QAM	M	Outer_Full	8.906	9.540	PASS
N12	15	10	CP-QPSK	M	Outer_Full	9.267	9.940	PASS
N12	15	10	CP-16QAM	M	Outer_Full	9.288	9.860	PASS
N12	15	10	CP-64QAM	M	Outer_Full	9.284	9.860	PASS
N12	15	10	CP-256QAM	M	Outer_Full	9.287	9.760	PASS
N12	15	10	DFT-QPSK	H	Outer_Full	8.917	9.460	PASS
N12	15	10	DFT-PI2BPSK	H	Outer_Full	8.931	9.540	PASS
N12	15	10	DFT-16QAM	H	Outer_Full	8.907	9.540	PASS
N12	15	10	DFT-64QAM	H	Outer_Full	8.913	9.600	PASS
N12	15	10	DFT-256QAM	H	Outer_Full	8.933	9.500	PASS
N12	15	10	CP-QPSK	H	Outer_Full	9.263	9.840	PASS
N12	15	10	CP-16QAM	H	Outer_Full	9.287	9.920	PASS
N12	15	10	CP-64QAM	H	Outer_Full	9.293	9.820	PASS
N12	15	10	CP-256QAM	H	Outer_Full	9.301	9.820	PASS
N12	15	15	DFT-QPSK	L	Outer_Full	13.398	14.190	PASS
N12	15	15	DFT-PI2BPSK	L	Outer_Full	13.434	14.130	PASS
N12	15	15	DFT-16QAM	L	Outer_Full	13.425	14.070	PASS
N12	15	15	DFT-64QAM	L	Outer_Full	13.417	15.030	PASS
N12	15	15	DFT-256QAM	L	Outer_Full	13.421	14.310	PASS
N12	15	15	CP-QPSK	L	Outer_Full	14.078	14.880	PASS
N12	15	15	CP-16QAM	L	Outer_Full	14.083	14.850	PASS
N12	15	15	CP-64QAM	L	Outer_Full	14.095	14.880	PASS
N12	15	15	CP-256QAM	L	Outer_Full	14.066	14.790	PASS
N12	15	15	DFT-QPSK	M	Outer_Full	13.372	14.100	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	13.422	14.190	PASS
N12	15	15	DFT-16QAM	M	Outer_Full	13.422	14.130	PASS
N12	15	15	DFT-64QAM	M	Outer_Full	13.414	14.100	PASS
N12	15	15	DFT-256QAM	M	Outer_Full	13.436	14.220	PASS
N12	15	15	CP-QPSK	M	Outer_Full	14.063	14.760	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

N12	15	15	CP-16QAM	M	Outer_Full	14.064	14.790	PASS
N12	15	15	CP-64QAM	M	Outer_Full	14.115	14.850	PASS
N12	15	15	CP-256QAM	M	Outer_Full	14.114	14.760	PASS
N12	15	15	DFT-QPSK	H	Outer_Full	13.411	14.250	PASS
N12	15	15	DFT-PI2BPSK	H	Outer_Full	13.42	14.190	PASS
N12	15	15	DFT-16QAM	H	Outer_Full	13.423	14.220	PASS
N12	15	15	DFT-64QAM	H	Outer_Full	13.388	14.100	PASS
N12	15	15	DFT-256QAM	H	Outer_Full	13.446	14.280	PASS
N12	15	15	CP-QPSK	H	Outer_Full	14.084	14.880	PASS
N12	15	15	CP-16QAM	H	Outer_Full	14.101	14.790	PASS
N12	15	15	CP-64QAM	H	Outer_Full	14.115	14.880	PASS
N12	15	15	CP-256QAM	H	Outer_Full	14.102	14.910	PASS



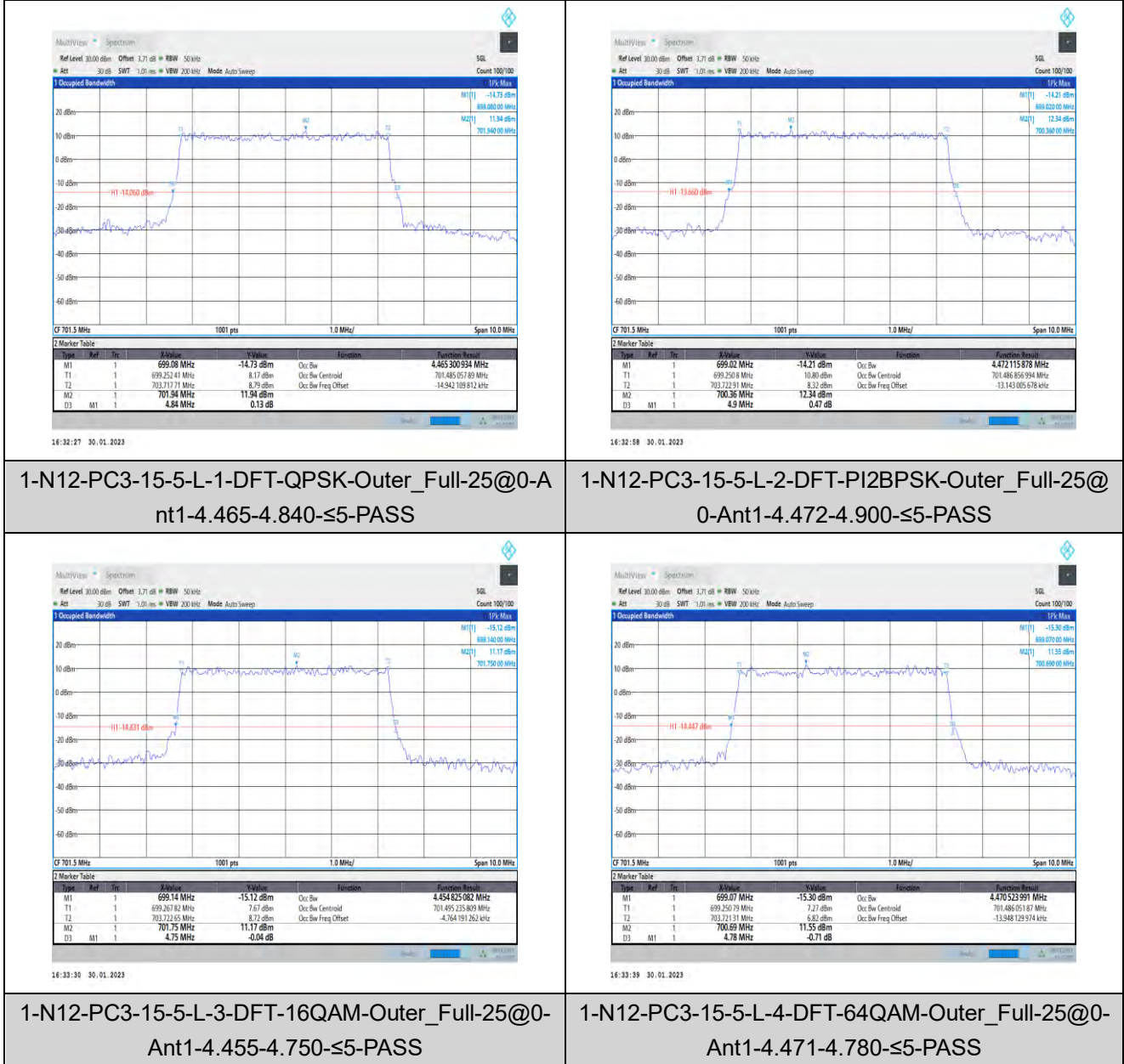
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Test Graphs



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

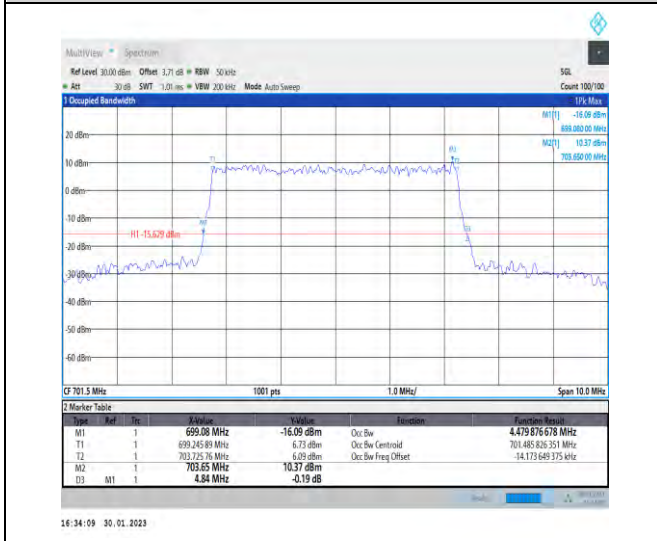
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 83071443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pulinsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海陵路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



1-N12-PC3-15-5-L-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.484-4.860-≤5-PASS

1-N12-PC3-15-5-L-6-CP-QPSK-Outer_Full-25@0-Ant1-4.471-4.870-≤5-PASS



1-N12-PC3-15-5-L-7-CP-16QAM-Outer_Full-25@0-Ant1-4.48-4.840-≤5-PASS

1-N12-PC3-15-5-L-8-CP-64QAM-Outer_Full-25@0-Ant1-4.463-4.780-≤5-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pulinsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南座 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com



1-N12-PC3-15-5-L-9-CP-256QAM-Outer_Full-25@0-Ant1-1.174-1.330-≤5-PASS



1-N12-PC3-15-5-M-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.469-4.870-≤5-PASS

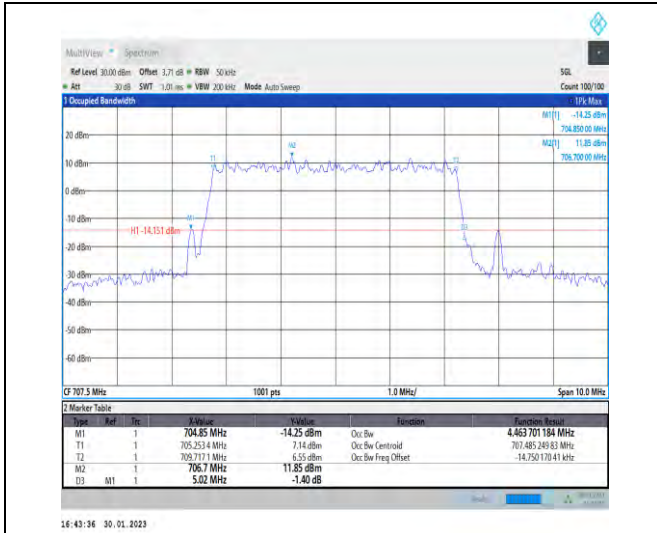


1-N12-PC3-15-5-M-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.47-4.880-≤5-PASS



1-N12-PC3-15-5-M-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.46-4.820-≤5-PASS





1-N12-PC3-15-5-M-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.464-5.020-≤5-PASS



1-N12-PC3-15-5-M-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.478-4.830-≤5-PASS

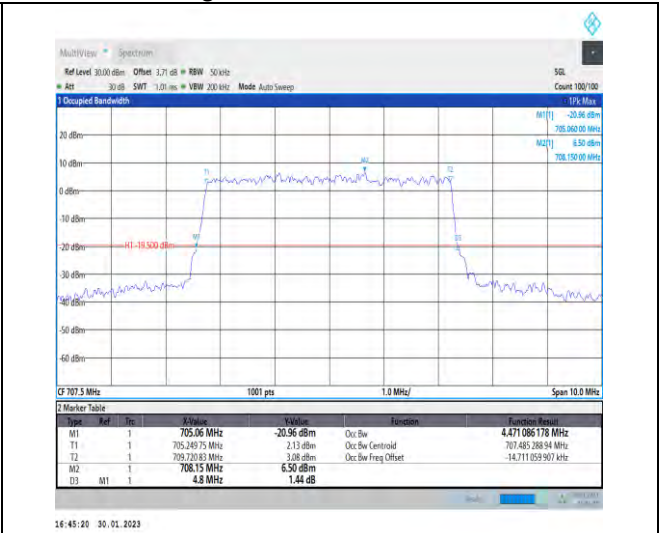


1-N12-PC3-15-5-M-6-CP-QPSK-Outer_Full-25@0-Ant1-4.464-4.850-≤5-PASS



1-N12-PC3-15-5-M-7-CP-16QAM-Outer_Full-25@0-Ant1-4.47-4.820-≤5-PASS





1-N12-PC3-15-5-M-8-CP-64QAM-Outer_Full-25@0-Ant1-4.46-4.860-≤5-PASS

1-N12-PC3-15-5-M-9-CP-256QAM-Outer_Full-25@0-Ant1-4.471-4.800-≤5-PASS



1-N12-PC3-15-5-H-1-DFT-QPSK-Outer_Full-25@0-Ant1-4.449-4.830-≤5-PASS

1-N12-PC3-15-5-H-2-DFT-PI2BPSK-Outer_Full-25@0-Ant1-4.474-4.870-≤5-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pulinsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南座 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com



1-N12-PC3-15-5-H-3-DFT-16QAM-Outer_Full-25@0-Ant1-4.462-4.780-≤5-PASS



1-N12-PC3-15-5-H-4-DFT-64QAM-Outer_Full-25@0-Ant1-4.46-4.760-≤5-PASS



1-N12-PC3-15-5-H-5-DFT-256QAM-Outer_Full-25@0-Ant1-4.49-4.850-≤5-PASS



1-N12-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-4.46-4.800-≤5-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

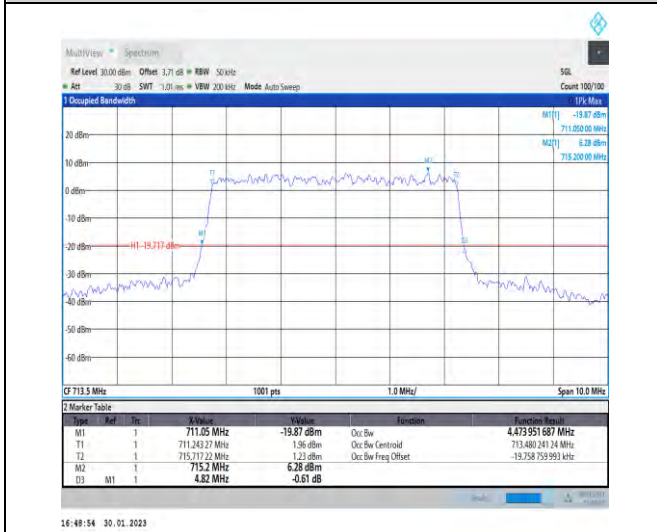
South of No. 6 Plant, No. 1, Pulinsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海陆路1号的6号厂房南座 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com



1-N12-PC3-15-5-H-7-CP-16QAM-Outer_Full-25@0-Ant1-4.472-4.760-≤5-PASS

1-N12-PC3-15-5-H-8-CP-64QAM-Outer_Full-25@0-Ant1-4.466-4.780-≤5-PASS



1-N12-PC3-15-5-H-9-CP-256QAM-Outer_Full-25@0-Ant1-4.474-4.820-≤5-PASS

1-N12-PC3-15-10-L-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.911-9.540-≤10-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

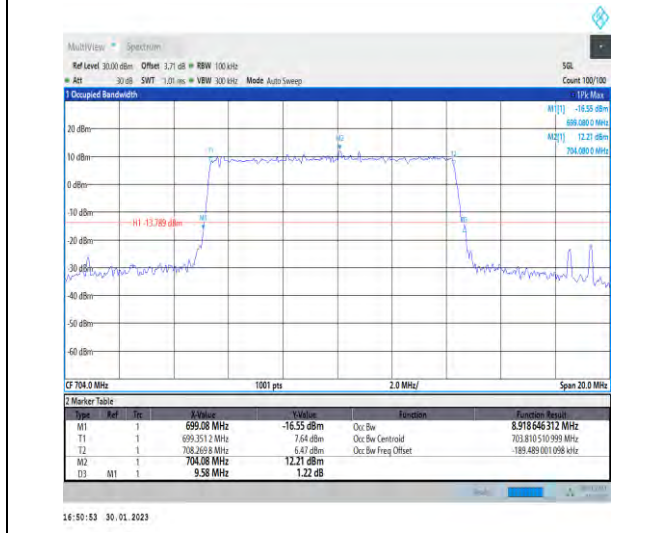
South of No. 6 Plant, No. 1, Pulinsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海陵路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com



1-N12-PC3-15-10-L-2-DFT-PI2BPSK-Outer_Full-50 @0-Ant1-8.908-9.480-≤10-PASS

1-N12-PC3-15-10-L-3-DFT-16QAM-Outer_Full-50 @0-Ant1-8.913-9.500-≤10-PASS



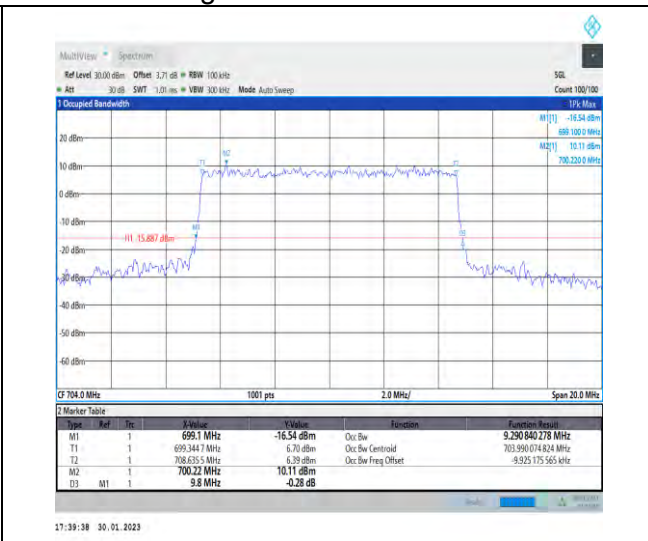
1-N12-PC3-15-10-L-4-DFT-64QAM-Outer_Full-50 @0-Ant1-8.919-9.580-≤10-PASS

1-N12-PC3-15-10-L-5-DFT-256QAM-Outer_Full-50 @0-Ant1-8.92-9.500-≤10-PASS





1-N12-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-A
 Ant1-9.295-9.820-≤10-PASS



1-N12-PC3-15-10-L-7-CP-16QAM-Outer_Full-52@0-0
 Ant1-9.291-9.800-≤10-PASS

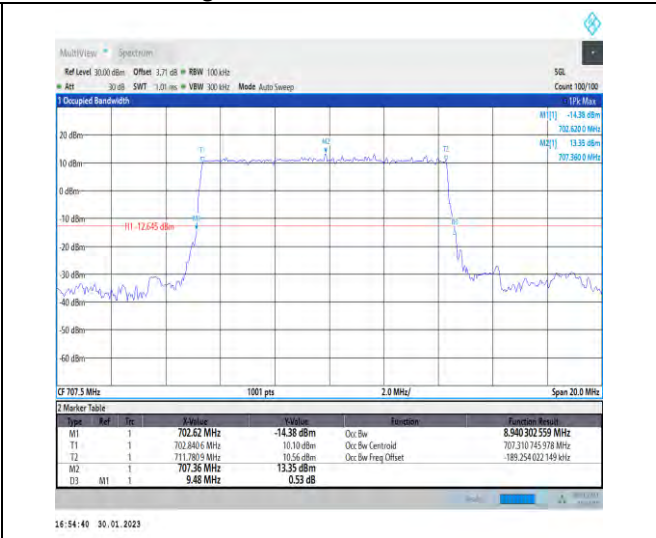
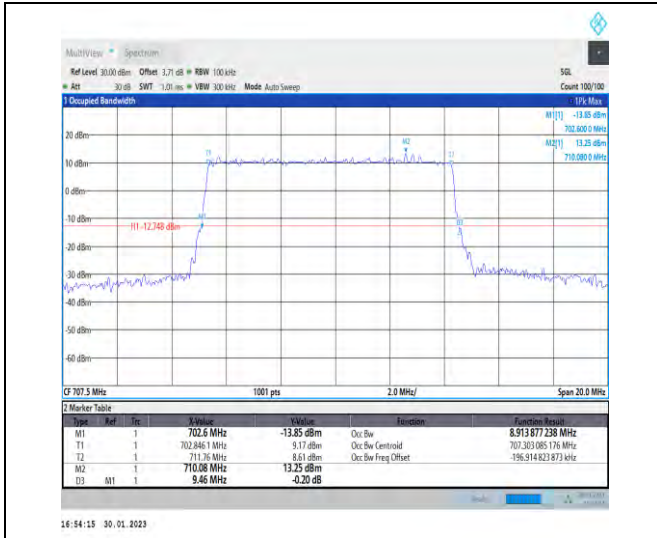


1-N12-PC3-15-10-L-8-CP-64QAM-Outer_Full-52@0-0
 Ant1-9.303-9.860-≤10-PASS



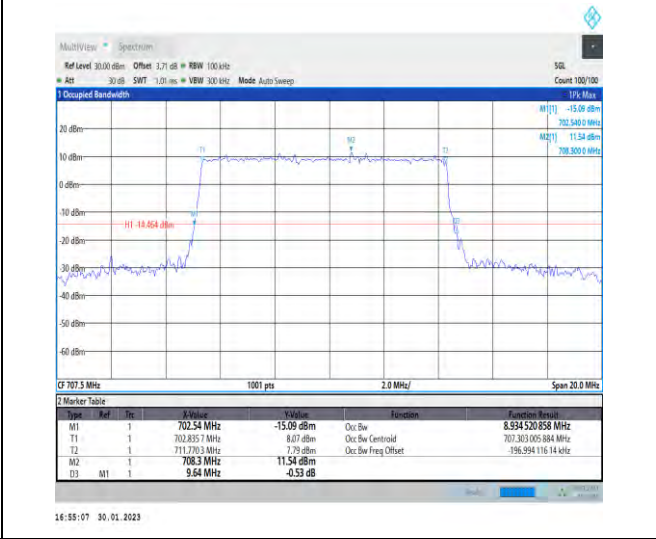
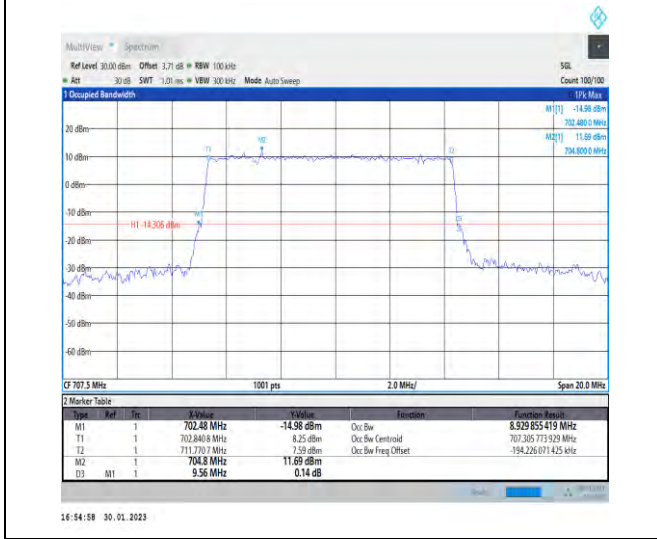
1-N12-PC3-15-10-L-9-CP-256QAM-Outer_Full-52@0-Ant1-9.27-9.840-≤10-PASS





1-N12-PC3-15-10-M-1-DFT-QPSK-Outer_Full-50@0-Ant1-8.914-9.460-≤10-PASS

1-N12-PC3-15-10-M-2-DFT-PI2BPSK-Outer_Full-50@0-Ant1-8.94-9.480-≤10-PASS



1-N12-PC3-15-10-M-3-DFT-16QAM-Outer_Full-50@0-Ant1-8.93-9.560-≤10-PASS

1-N12-PC3-15-10-M-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.935-9.640-≤10-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

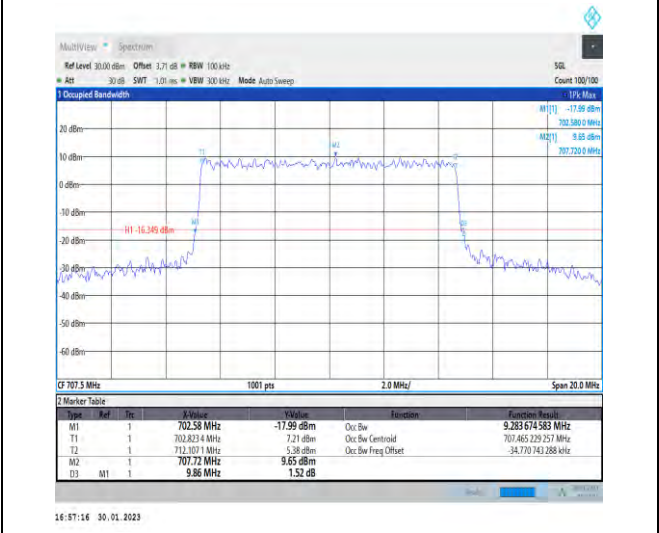
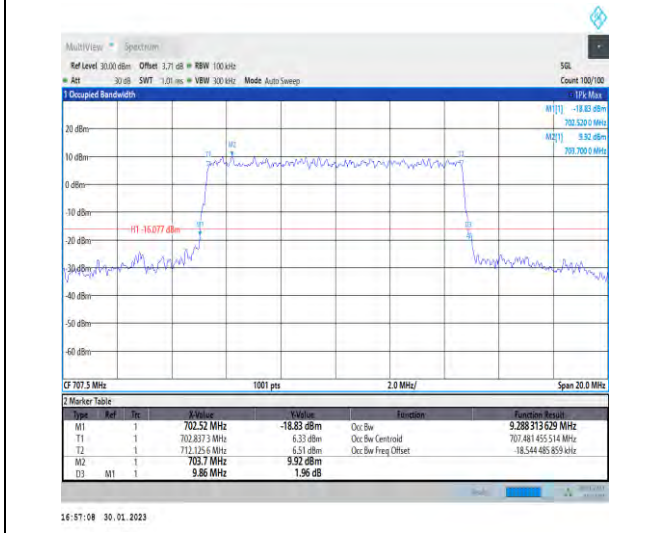
South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南座 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com



1-N12-PC3-15-10-M-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.906-9.540-≤10-PASS

1-N12-PC3-15-10-M-6-CP-QPSK-Outer_Full-52@0-Ant1-9.267-9.940-≤10-PASS



1-N12-PC3-15-10-M-7-CP-16QAM-Outer_Full-52@0-Ant1-9.288-9.860-≤10-PASS

1-N12-PC3-15-10-M-8-CP-64QAM-Outer_Full-52@0-Ant1-9.284-9.860-≤10-PASS





1-N12-PC3-15-10-M-9-CP-256QAM-Outer_Full-52@
0-Ant1-9.287-9.760-≤10-PASS



1-N12-PC3-15-10-H-1-DFT-QPSK-Outer_Full-50@
-Ant1-8.917-9.460-≤10-PASS



1-N12-PC3-15-10-H-2-DFT-PI2BPSK-Outer_Full-50
@0-Ant1-8.931-9.540-≤10-PASS



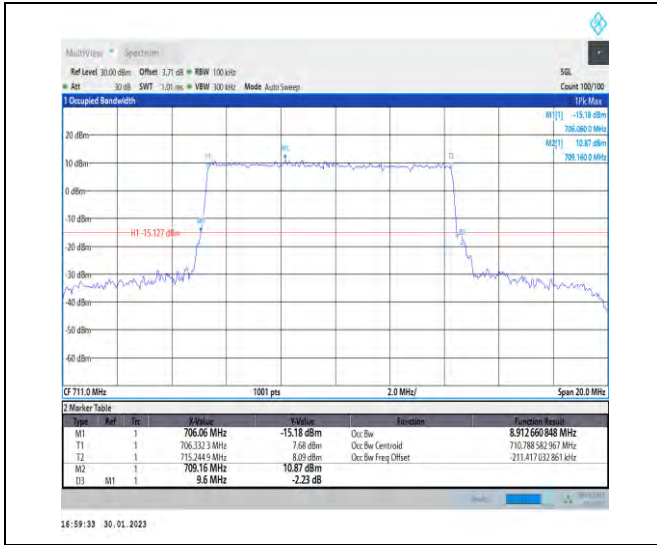
1-N12-PC3-15-10-H-3-DFT-16QAM-Outer_Full-50@
0-Ant1-8.907-9.540-≤10-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pulinsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海陵路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com



1-N12-PC3-15-10-H-4-DFT-64QAM-Outer_Full-50@0-Ant1-8.913-9.600-≤10-PASS

1-N12-PC3-15-10-H-5-DFT-256QAM-Outer_Full-50@0-Ant1-8.933-9.500-≤10-PASS



1-N12-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-9.263-9.840-≤10-PASS

1-N12-PC3-15-10-H-7-CP-16QAM-Outer_Full-52@0-Ant1-9.287-9.920-≤10-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

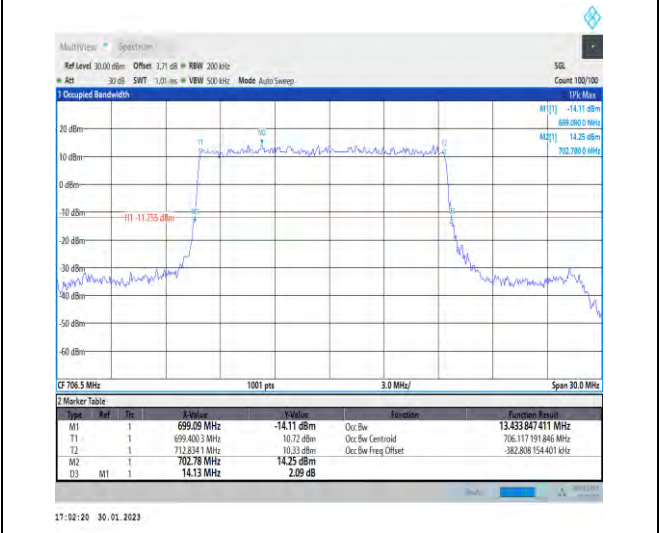
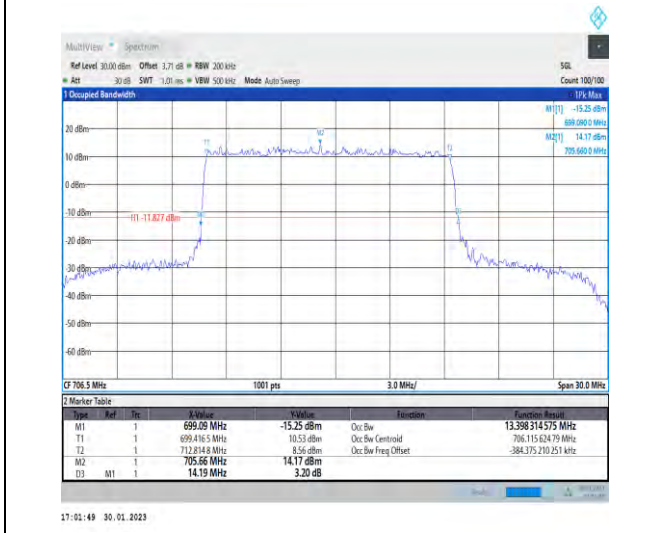
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pulinsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海陵路1号的6号厂房南座 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



1-N12-PC3-15-10-H-8-CP-64QAM-Outer_Full-52@0
-Ant1-9.293-9.820-≤10-PASS

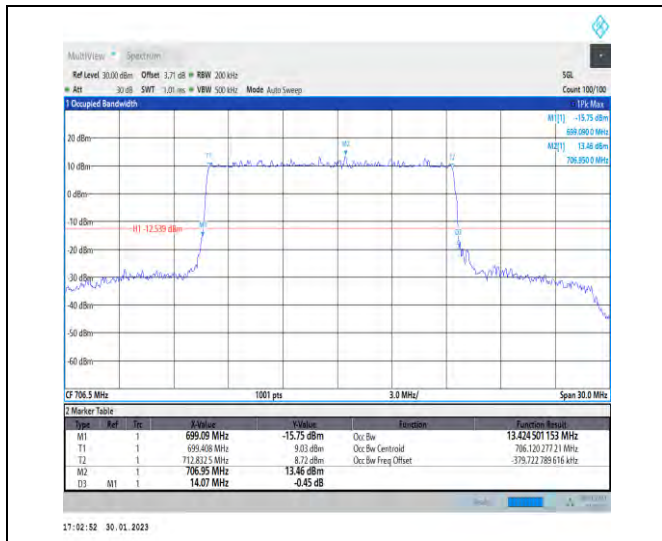
1-N12-PC3-15-10-H-9-CP-256QAM-Outer_Full-52@0
-Ant1-9.301-9.820-≤10-PASS



1-N12-PC3-15-15-L-1-DFT-QPSK-Outer_Full-75@0-
Ant1-13.398-14.190-≤15-PASS

1-N12-PC3-15-15-L-2-DFT-PI2BPSK-Outer_Full-75@0-
Ant1-13.434-14.130-≤15-PASS

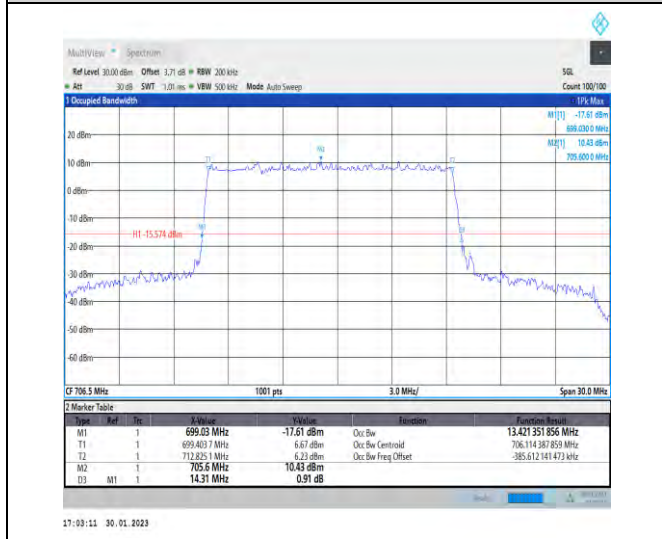




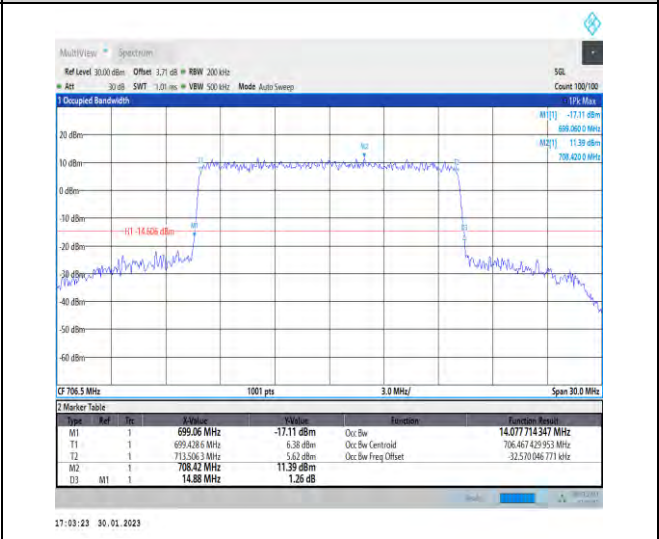
1-N12-PC3-15-15-L-3-DFT-16QAM-Outer_Full-75@
 0-Ant1-13.425-14.070-≤15-PASS



1-N12-PC3-15-15-L-4-DFT-64QAM-Outer_Full-75@
 0-Ant1-13.417-15.030-≤15-PASS

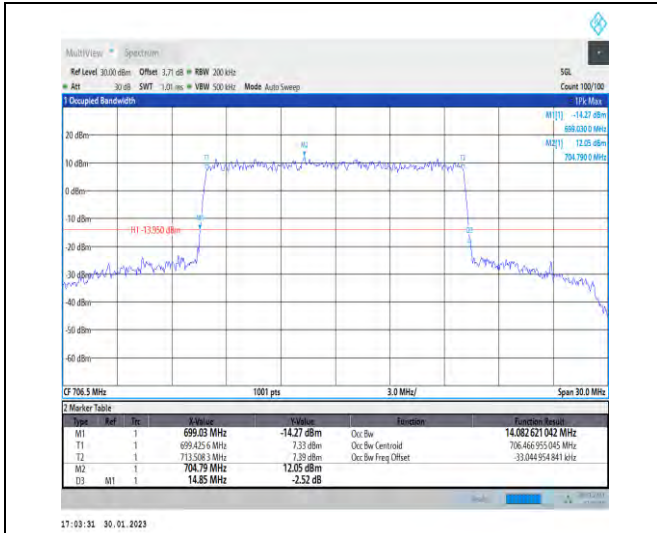


1-N12-PC3-15-15-L-5-DFT-256QAM-Outer_Full-75
 @0-Ant1-13.421-14.310-≤15-PASS

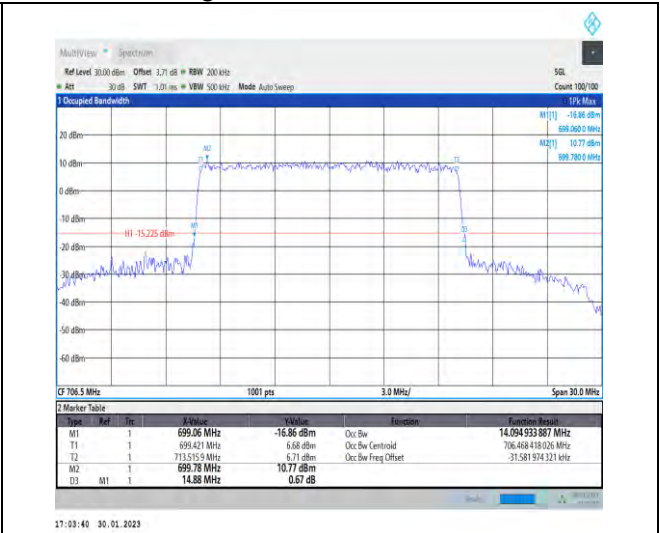


1-N12-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-
 Ant1-14.078-14.880-≤15-PASS





1-N12-PC3-15-15-L-7-CP-16QAM-Outer_Full-79@0-Ant1-14.083-14.850-≤15-PASS



1-N12-PC3-15-15-L-8-CP-64QAM-Outer_Full-79@0-Ant1-14.095-14.880-≤15-PASS



1-N12-PC3-15-15-L-9-CP-256QAM-Outer_Full-79@0-Ant1-14.066-14.790-≤15-PASS



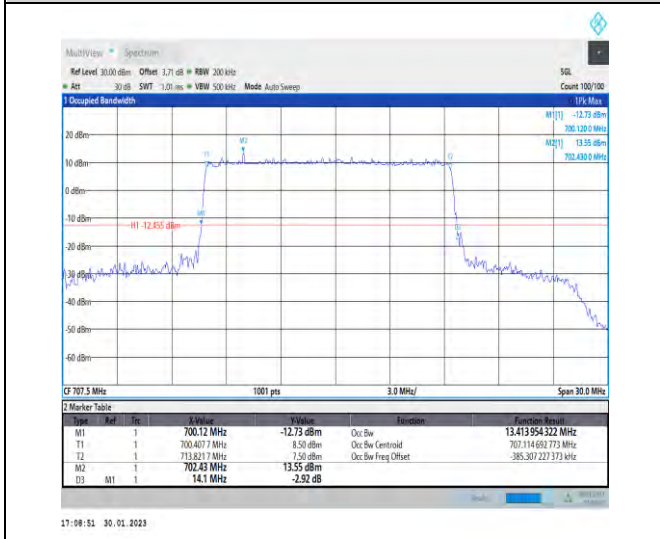
1-N12-PC3-15-15-M-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.372-14.100-≤15-PASS





1-N12-PC3-15-15-M-2-DFT-PI2BPSK-Outer_Full-75 @0-Ant1-13.422-14.190-≤15-PASS

1-N12-PC3-15-15-M-3-DFT-16QAM-Outer_Full-75 @0-Ant1-13.422-14.130-≤15-PASS



1-N12-PC3-15-15-M-4-DFT-64QAM-Outer_Full-75 @0-Ant1-13.414-14.100-≤15-PASS

1-N12-PC3-15-15-M-5-DFT-256QAM-Outer_Full-75 @0-Ant1-13.436-14.220-≤15-PASS





1-N12-PC3-15-15-M-6-CP-QPSK-Outer_Full-79@0-Ant1-14.063-14.760-≤15-PASS

1-N12-PC3-15-15-M-7-CP-16QAM-Outer_Full-79@0-Ant1-14.064-14.790-≤15-PASS



1-N12-PC3-15-15-M-8-CP-64QAM-Outer_Full-79@0-Ant1-14.115-14.850-≤15-PASS

1-N12-PC3-15-15-M-9-CP-256QAM-Outer_Full-79@0-Ant1-14.114-14.760-≤15-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pulinsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com



1-N12-PC3-15-15-H-1-DFT-QPSK-Outer_Full-75@0-Ant1-13.411-14.250-≤15-PASS



1-N12-PC3-15-15-H-2-DFT-PI2BPSK-Outer_Full-75@0-Ant1-13.42-14.190-≤15-PASS



1-N12-PC3-15-15-H-3-DFT-16QAM-Outer_Full-75@0-Ant1-13.423-14.220-≤15-PASS



1-N12-PC3-15-15-H-4-DFT-64QAM-Outer_Full-75@0-Ant1-13.388-14.100-≤15-PASS

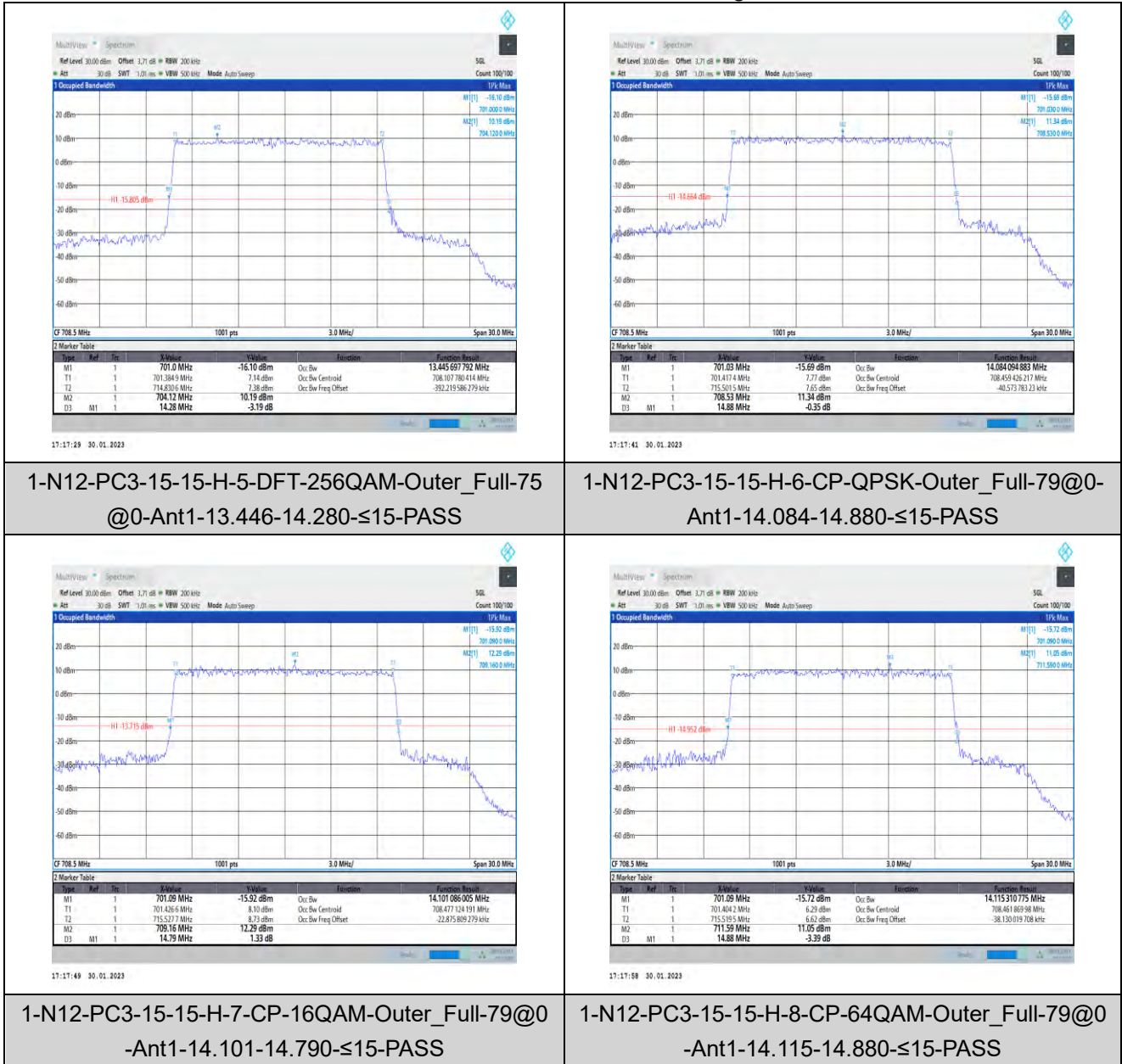


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南座 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com





1-N12-PC3-15-15-H-9-CP-256QAM-Outer_Full-79@
0-Ant1-14.102-14.910-≤15-PASS



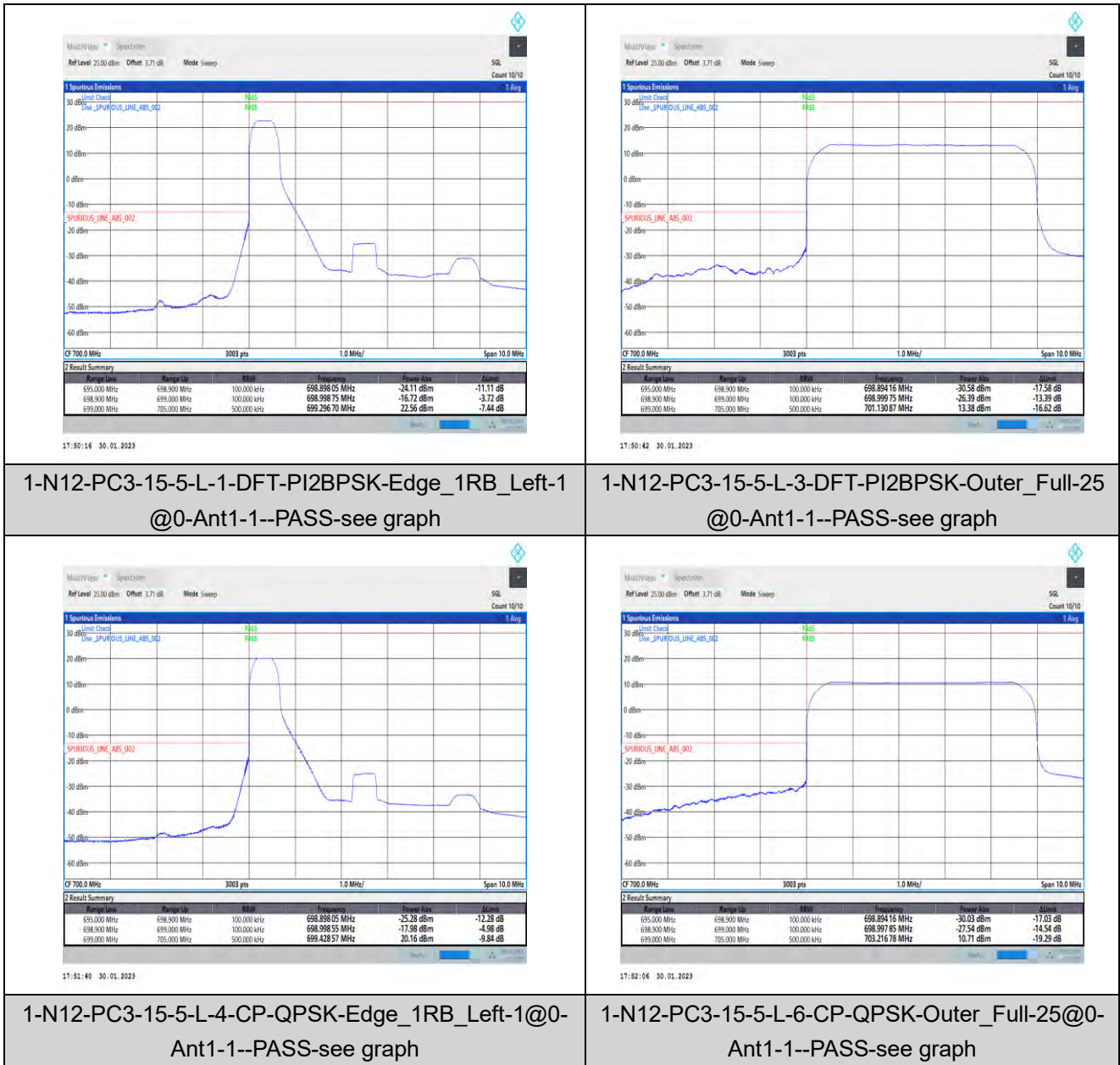
Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

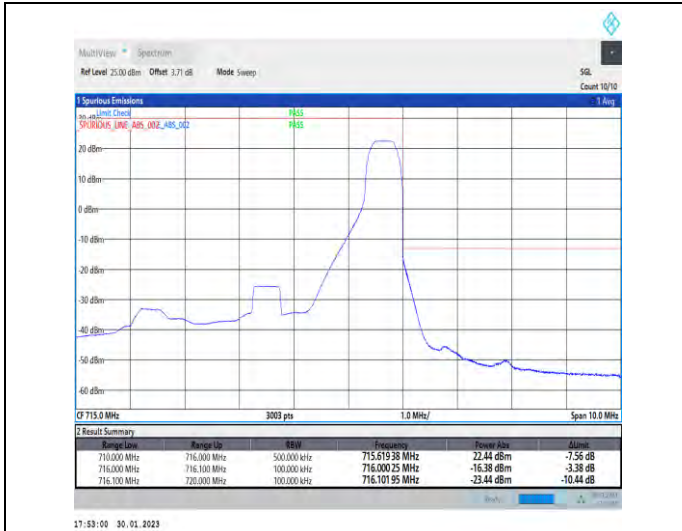
South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
t (86-512) 62992980 sgs.china@sgs.com

Band Edge for SA

Test Graphs

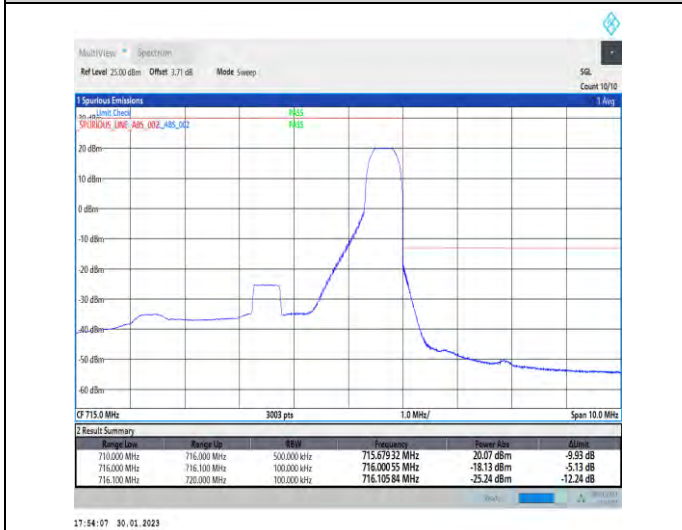




1-N12-PC3-15-5-H-2-DFT-PI2BPSK-Edge_1RB_Right-1@24-Ant1-1--PASS-see graph



1-N12-PC3-15-5-H-3-DFT-PI2BPSK-Outer_Full-25@0-Ant1-1--PASS-see graph



1-N12-PC3-15-5-H-5-CP-QPSK-Edge_1RB_Right-1@24-Ant1-1--PASS-see graph



1-N12-PC3-15-5-H-6-CP-QPSK-Outer_Full-25@0-Ant1-1--PASS-see graph

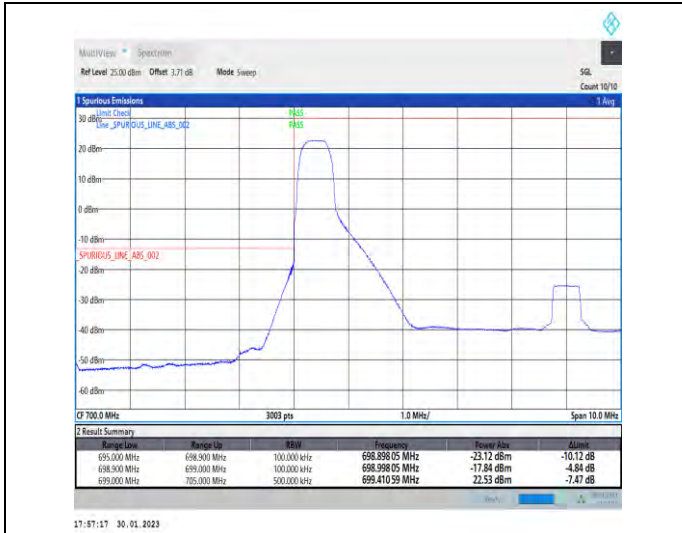


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

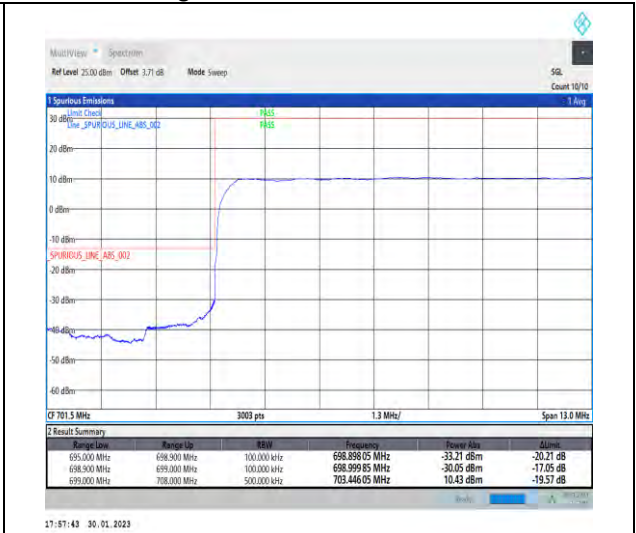
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pulinsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海陵路1号的6号厂房南座 邮编: 215000

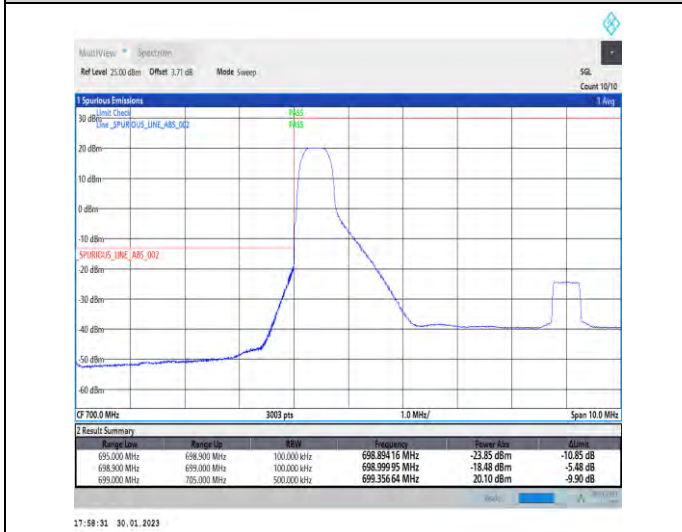
t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com



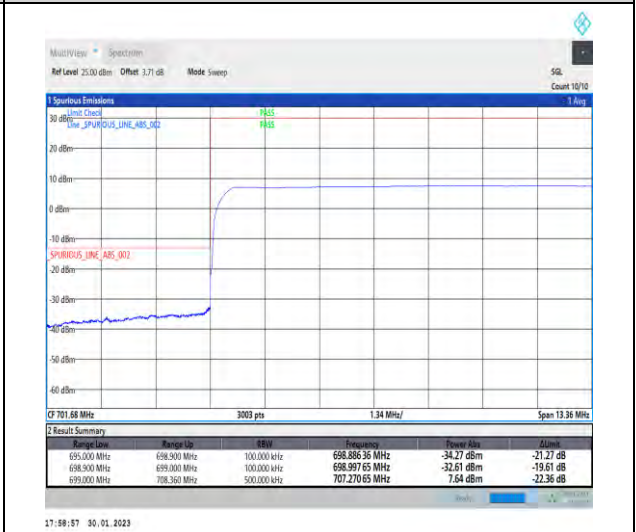
1-N12-PC3-15-10-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



1-N12-PC3-15-10-L-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1--PASS-see graph

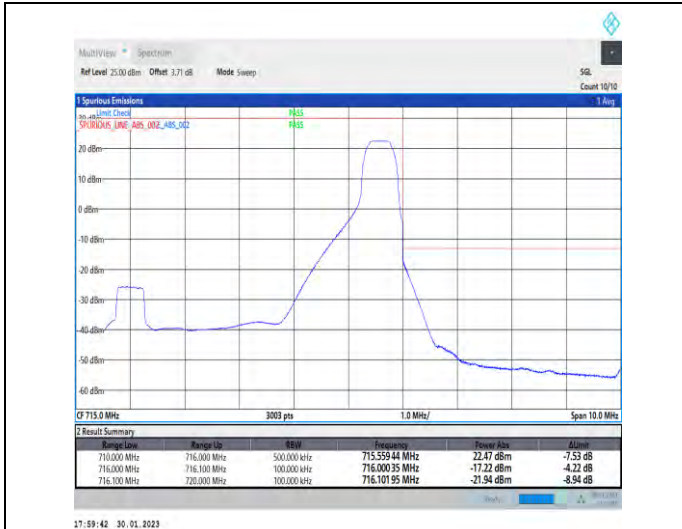


1-N12-PC3-15-10-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph



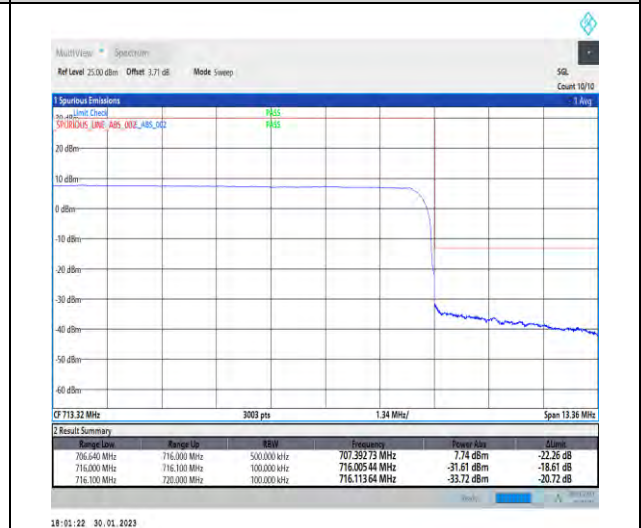
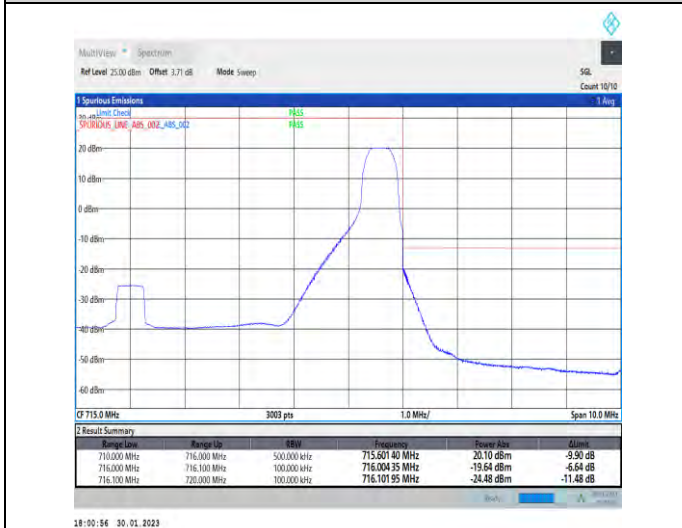
1-N12-PC3-15-10-L-6-CP-QPSK-Outer_Full-52@0-Ant1-1--PASS-see graph





1-N12-PC3-15-10-H-2-DFT-PI2BPSK-Edge_1RB_Right-t-1@51-Ant1-1--PASS-see graph

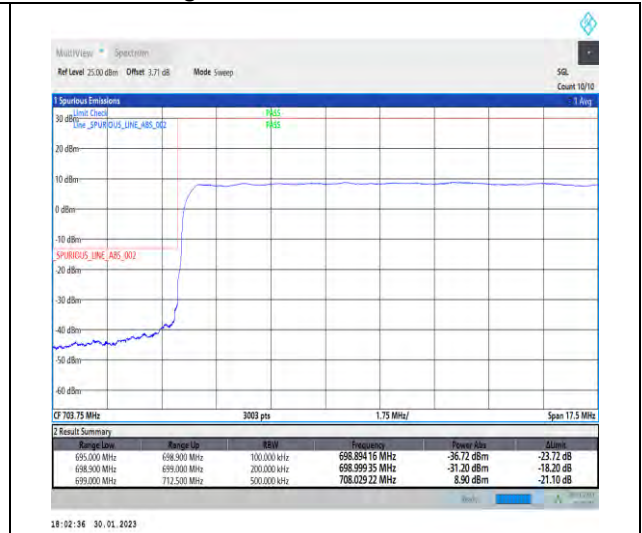
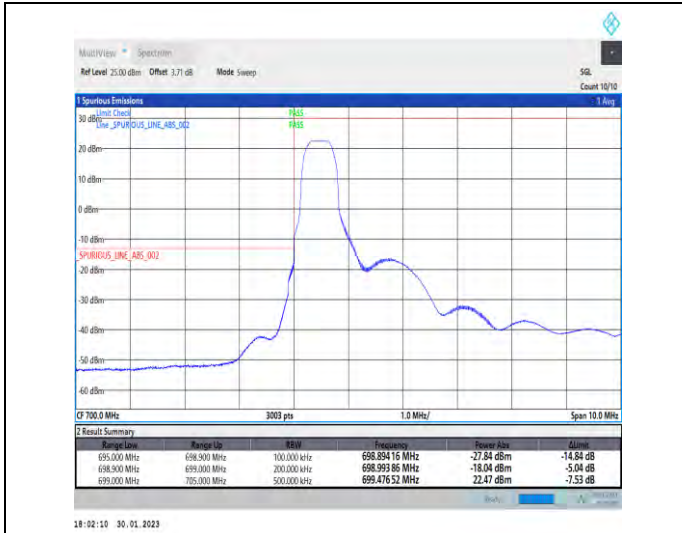
1-N12-PC3-15-10-H-3-DFT-PI2BPSK-Outer_Full-50@0-Ant1-1--PASS-see graph



1-N12-PC3-15-10-H-5-CP-QPSK-Edge_1RB_Right-1@51-Ant1-1--PASS-see graph

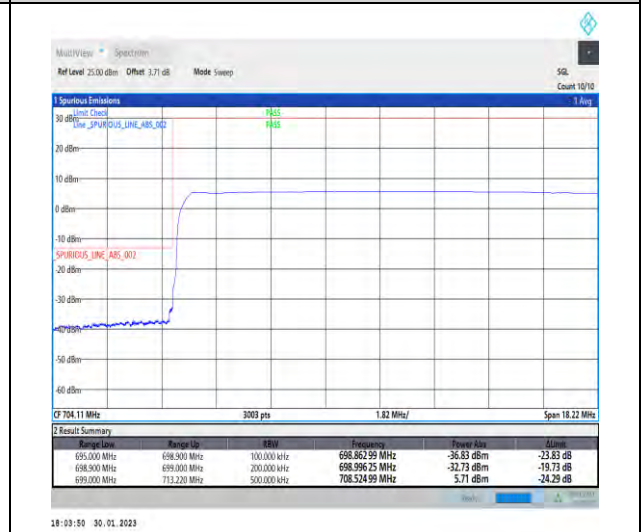
1-N12-PC3-15-10-H-6-CP-QPSK-Outer_Full-52@0-Ant1-1--PASS-see graph





1-N12-PC3-15-15-L-1-DFT-PI2BPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

1-N12-PC3-15-15-L-3-DFT-PI2BPSK-Outer_Full-75@0-Ant1-1--PASS-see graph



1-N12-PC3-15-15-L-4-CP-QPSK-Edge_1RB_Left-1@0-Ant1-1--PASS-see graph

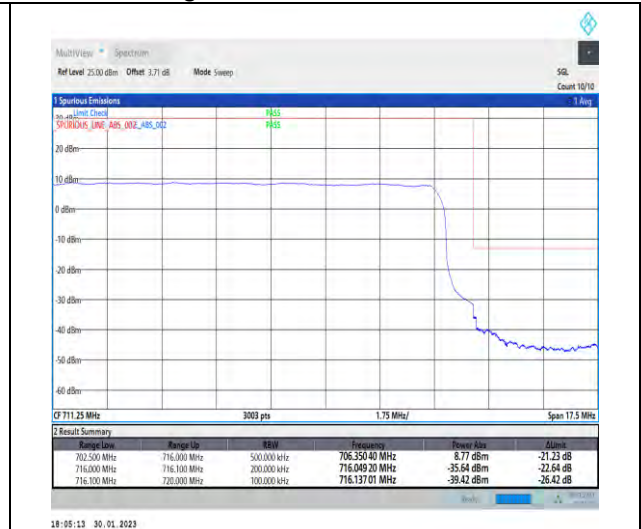
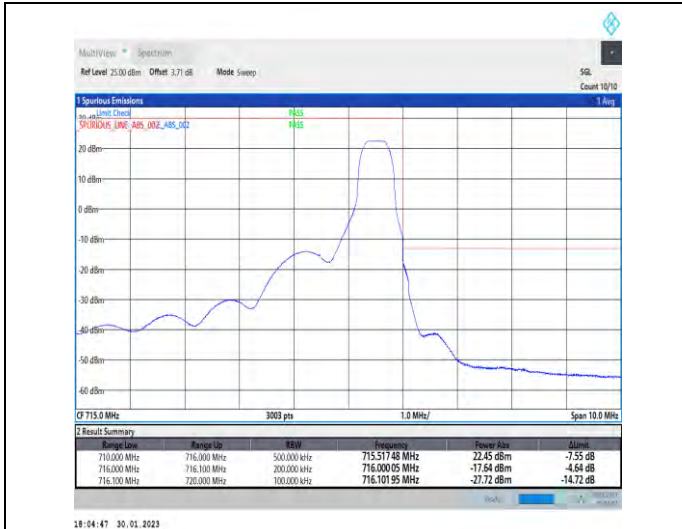
1-N12-PC3-15-15-L-6-CP-QPSK-Outer_Full-79@0-Ant1-1--PASS-see graph



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

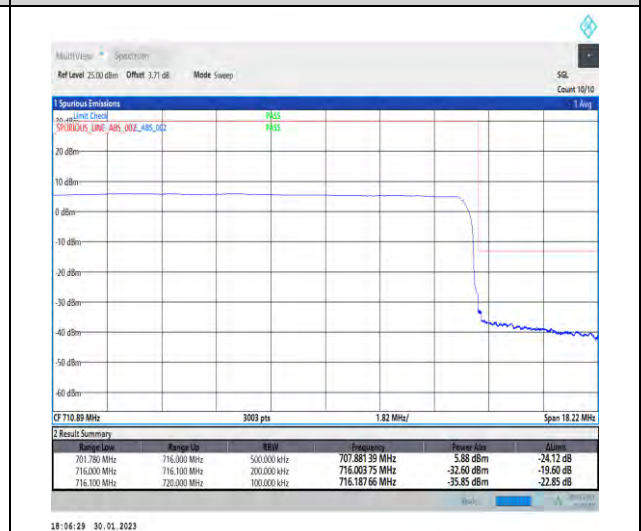
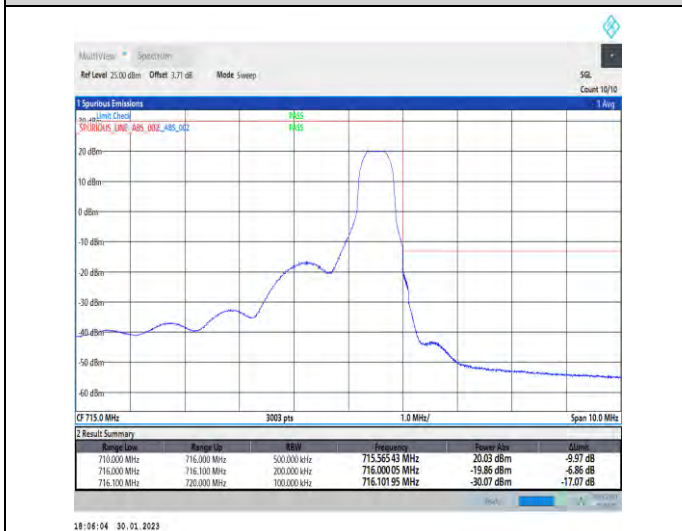
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pulinsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海陵路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



1-N12-PC3-15-15-H-2-DFT-PI2BPSK-Edge_1RB_Righ t-1@78-Ant1-1--PASS-see graph

1-N12-PC3-15-15-H-3-DFT-PI2BPSK-Outer_Full-7 5@0-Ant1-1--PASS-see graph



1-N12-PC3-15-15-H-5-CP-QPSK-Edge_1RB_Righ t-1@78-Ant1-1--PASS-see graph

1-N12-PC3-15-15-H-6-CP-QPSK-Outer_Full-79@ 0-Ant1-1--PASS-see graph



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

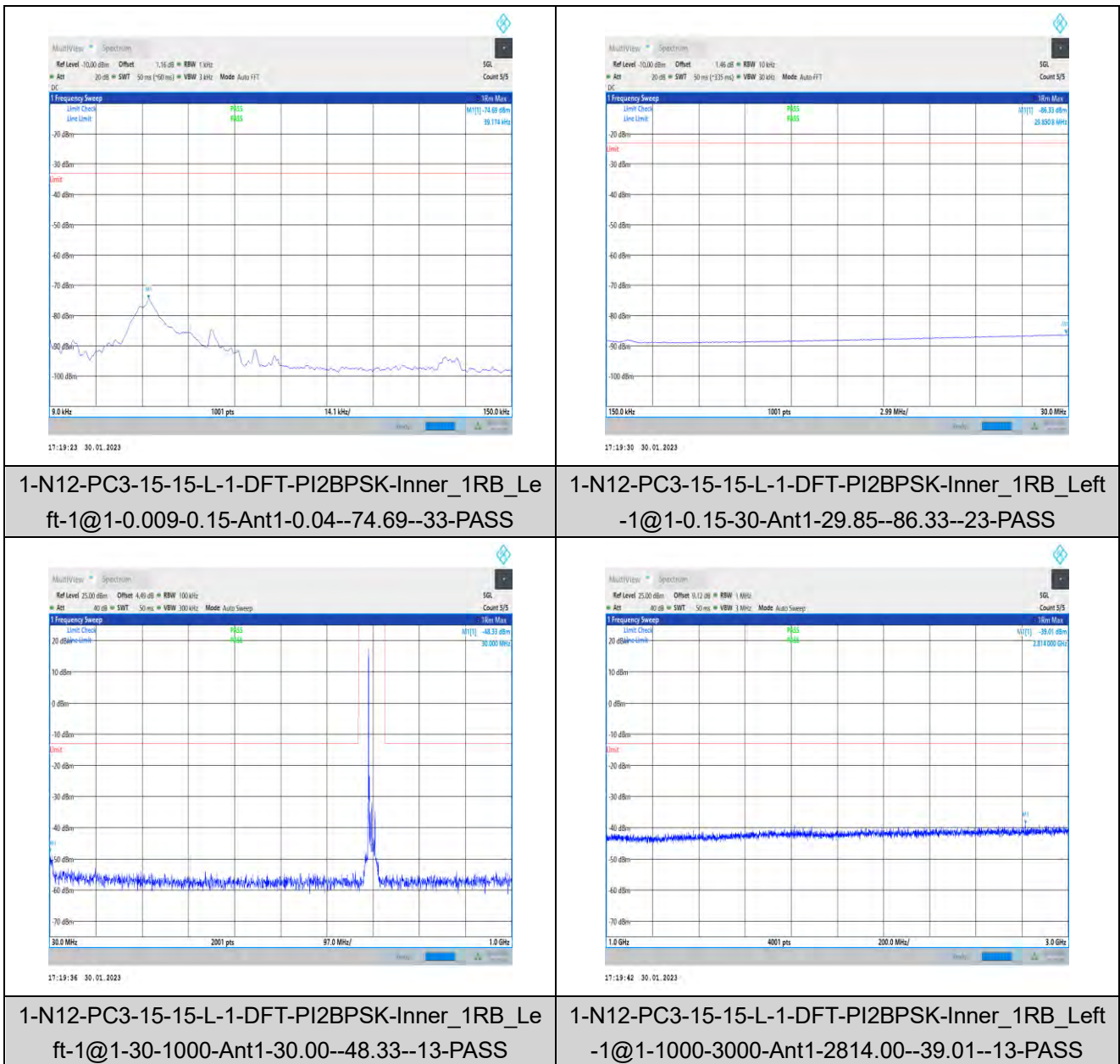
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pulinsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海陵路1号的6号厂房南座 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Conducted Spurious Emission for SA

Test Graphs

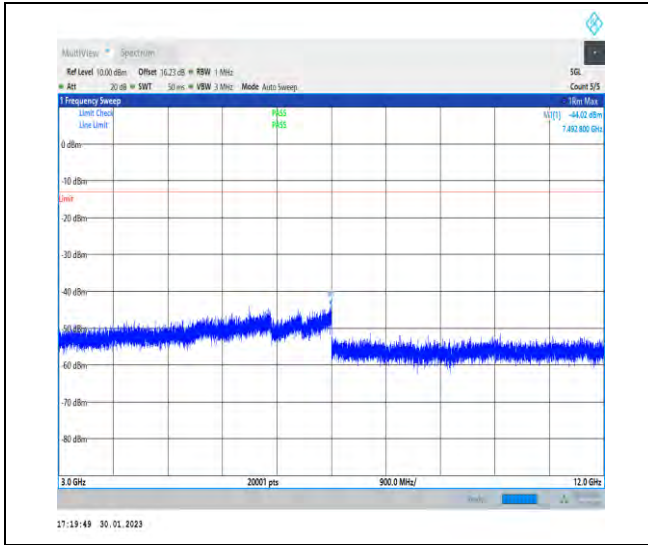


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

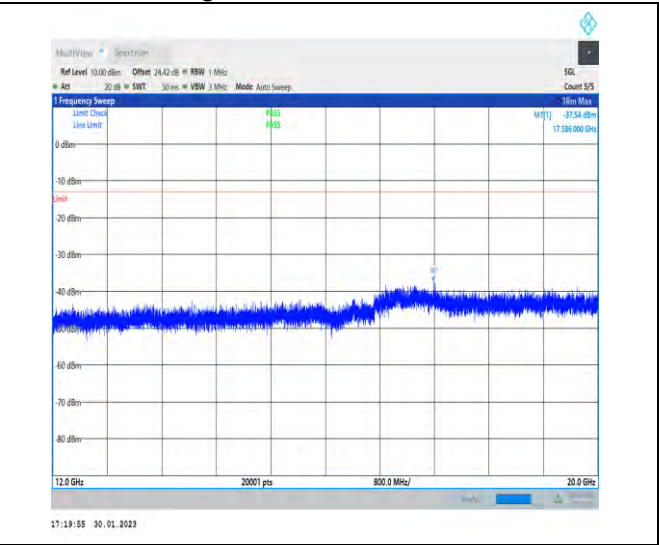
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南座 邮编: 215000

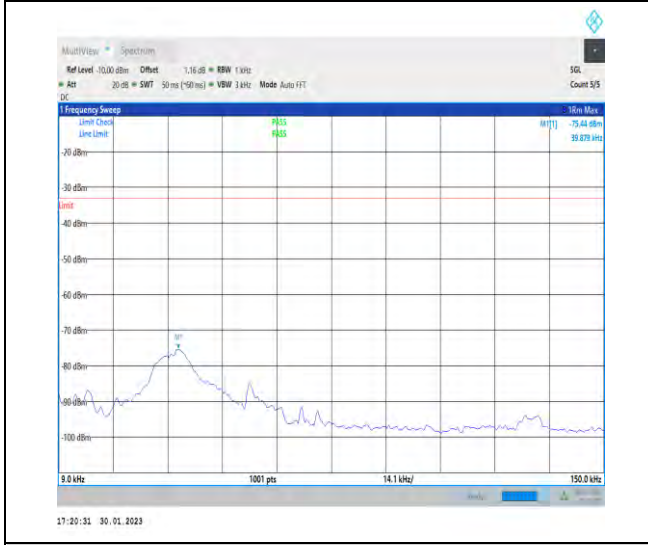
t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com



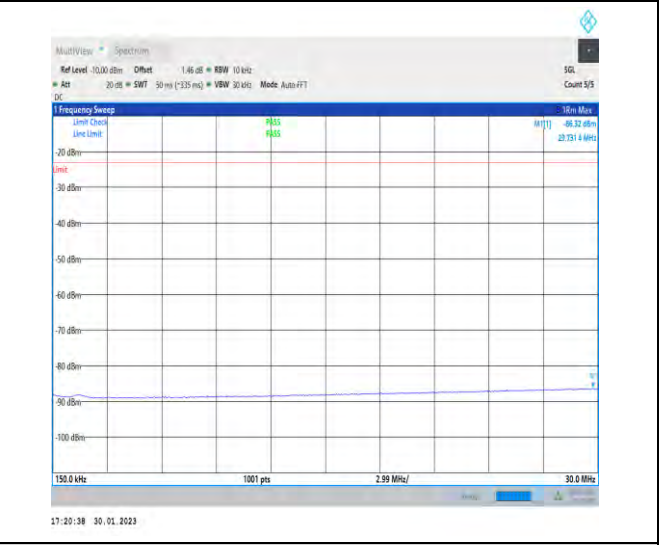
1-N12-PC3-15-15-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-3000-12000-Ant1-7492.80--44.02--13-PASS



1-N12-PC3-15-15-L-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-12000-20000-Ant1-17586.00--37.54--13-PASS



1-N12-PC3-15-15-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.009-0.15-Ant1-0.04--75.44--33-PASS

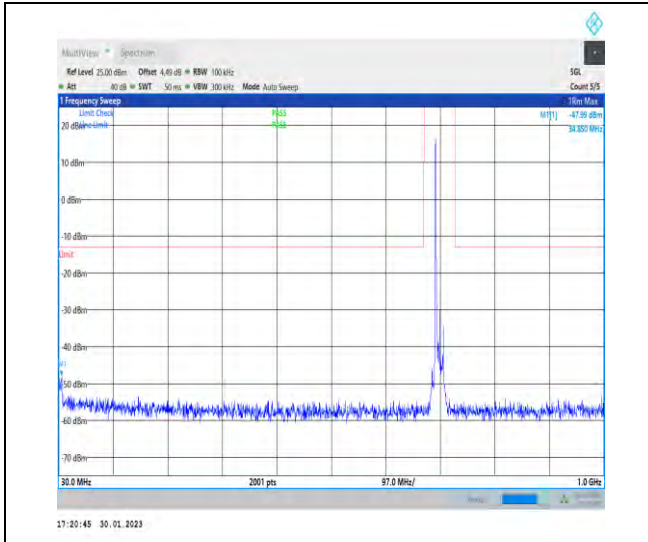


1-N12-PC3-15-15-M-1-DFT-PI2BPSK-Inner_1RB_Left-1@1-0.15-30-Ant1-29.73--86.32--23-PASS

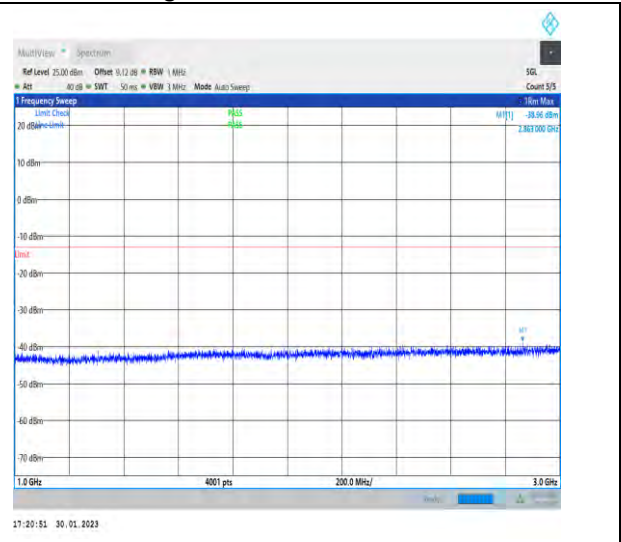


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

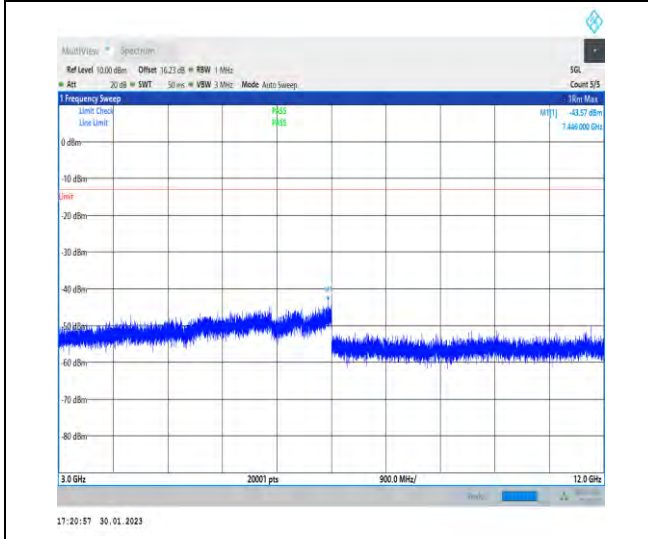
South of No. 6 Plant, No. 1, Pulinsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com



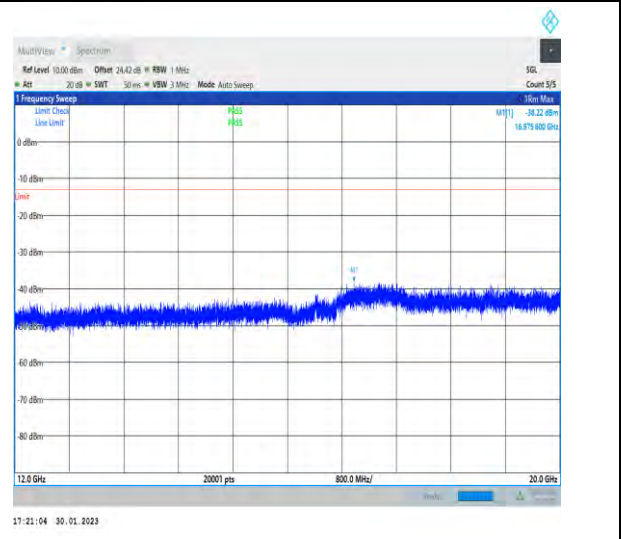
1-N12-PC3-15-15-M-1-DFT-PI2BPSK-Inner_1RB_L eft-1@1-30-1000-Ant1-34.85--47.99--13-PASS



1-N12-PC3-15-15-M-1-DFT-PI2BPSK-Inner_1RB_L ef t-1@1-1000-3000-Ant1-2863.00--38.96--13-PASS

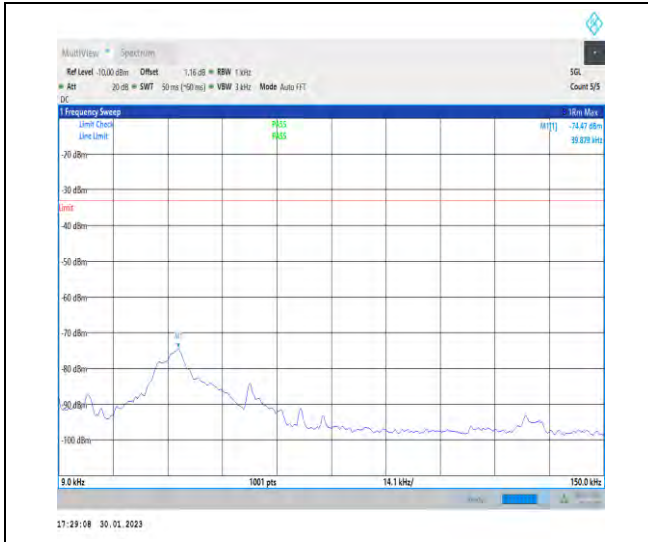


1-N12-PC3-15-15-M-1-DFT-PI2BPSK-Inner_1RB_L eft-1@1-3000-12000-Ant1-7446.00--43.57--13-PAS S

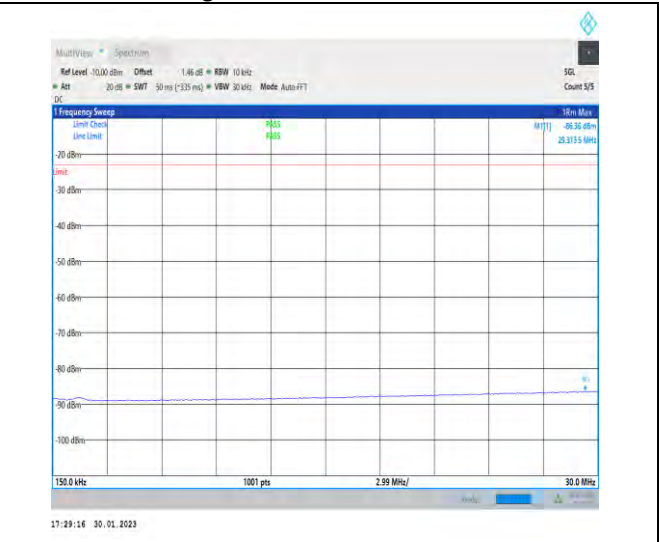


1-N12-PC3-15-15-M-1-DFT-PI2BPSK-Inner_1RB_L ef t-1@1-12000-20000-Ant1-16975.60--38.22--13-PASS

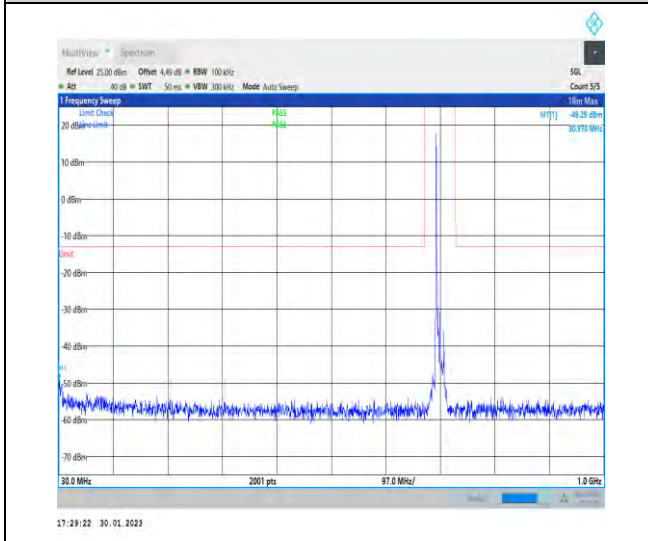




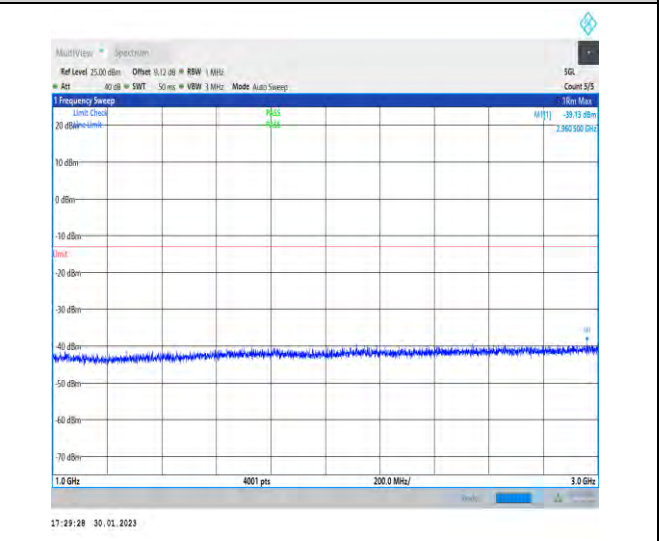
1-N12-PC3-15-15-H-1-DFT-PI2BPSK-Inner_1RB_L eft-1@1-0.009-0.15-Ant1-0.04--74.47--33-PASS



1-N12-PC3-15-15-H-1-DFT-PI2BPSK-Inner_1RB_Lef t-1@1-0.15-30-Ant1-29.31--86.36--23-PASS



1-N12-PC3-15-15-H-1-DFT-PI2BPSK-Inner_1RB_L eft-1@1-30-1000-Ant1-30.97--49.29--13-PASS



1-N12-PC3-15-15-H-1-DFT-PI2BPSK-Inner_1RB_Lef t-1@1-1000-3000-Ant1-2960.50--39.13--13-PASS

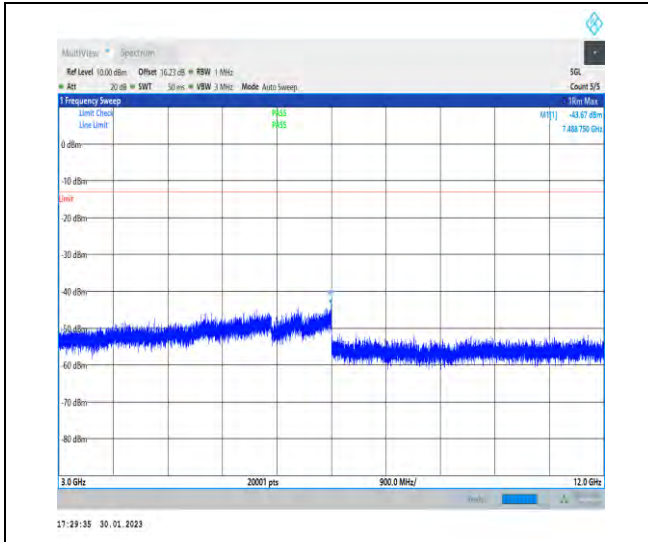


Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

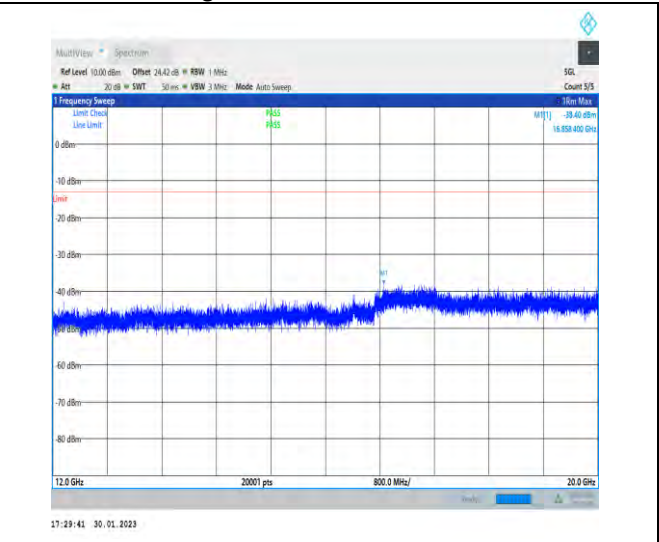
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南座 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com



1-N12-PC3-15-15-H-1-DFT-PI2BPSK-Inner_1RB_L
eft-1@1-3000-12000-Ant1-7488.75--43.67--13-PAS
S



1-N12-PC3-15-15-H-1-DFT-PI2BPSK-Inner_1RB_L ef
t-1@1-12000-20000-Ant1-16858.40--38.40--13-PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区润胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Field Strength of Spurious Radiation

Test Band = SA Band12_15MHz_TM1

Test Channel = Low

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.6800	43.66	-48.00	25.62	-73.98	-13.00	60.98	174	198	Horizontal
2	2099.5200	42.85	-47.71	26.99	-73.13	-13.00	60.13	136	305	Horizontal
3	2799.3600	42.26	-46.92	28.48	-71.44	-13.00	58.44	259	67	Horizontal
4	3499.2000	42.94	-46.54	29.52	-69.34	-13.00	56.34	194	360	Horizontal
5	4199.0400	40.69	-45.96	31.10	-69.43	-13.00	56.43	142	159	Horizontal
6	4898.8800	40.96	-45.58	32.60	-67.28	-13.00	54.28	188	198	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1399.6800	44.19	-48.00	25.62	-73.45	-13.00	60.45	174	214	Vertical
2	2099.5200	42.45	-47.71	26.99	-73.53	-13.00	60.53	182	334	Vertical
3	2799.3600	41.81	-46.92	28.48	-71.89	-13.00	58.89	155	0	Vertical
4	3499.2000	43.82	-46.54	29.52	-68.46	-13.00	55.46	169	92	Vertical
5	4199.0400	41.07	-45.96	31.10	-69.05	-13.00	56.05	195	92	Vertical
6	4898.8800	41.55	-45.58	32.60	-66.69	-13.00	53.69	174	54	Vertical



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Test Band = SA Band12_15MHz_TM1
Test Channel = Mid

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1401.6800	43.78	-48.01	25.62	-73.87	-13.00	60.87	247	213	Horizontal
2	2102.5200	42.66	-47.71	27.00	-73.31	-13.00	60.31	145	225	Horizontal
3	2803.3600	42.19	-46.91	28.49	-71.48	-13.00	58.48	186	4	Horizontal
4	3504.2000	41.66	-46.53	29.52	-70.61	-13.00	57.61	259	133	Horizontal
5	4205.0400	40.72	-45.95	31.11	-69.38	-13.00	56.38	191	4	Horizontal
6	4905.8800	41.46	-45.59	32.62	-66.78	-13.00	53.78	172	278	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1401.6800	43.59	-48.01	25.62	-74.06	-13.00	61.06	255	307	Vertical
2	2102.5200	43.14	-47.71	27.00	-72.83	-13.00	59.83	148	16	Vertical
3	2803.3600	42.05	-46.91	28.49	-71.62	-13.00	58.62	175	0	Vertical
4	3504.2000	42.37	-46.53	29.52	-69.90	-13.00	56.90	153	347	Vertical
5	4205.0400	40.71	-45.95	31.11	-69.39	-13.00	56.39	236	187	Vertical
6	4905.8800	41.80	-45.59	32.62	-66.44	-13.00	53.44	261	174	Vertical



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 South of No. 6 Plant, No. 1, Runsheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Test Band = SA Band12_15MHz_TM1

Test Channel = High

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1403.6800	43.98	-48.01	25.61	-73.68	-13.00	60.68	154	25	Horizontal
2	2105.5200	42.35	-47.71	27.01	-73.61	-13.00	60.61	235	120	Horizontal
3	2807.3600	41.95	-46.89	28.51	-71.69	-13.00	58.69	199	165	Horizontal
4	3509.2000	41.82	-46.52	29.53	-70.43	-13.00	57.43	145	133	Horizontal
5	4211.0400	41.04	-45.94	31.12	-69.04	-13.00	56.04	185	305	Horizontal
6	4912.8800	41.42	-45.61	32.64	-66.81	-13.00	53.81	143	26	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	1403.6800	43.76	-48.01	25.61	-73.90	-13.00	60.90	248	320	Vertical
2	2105.5200	42.19	-47.71	27.01	-73.77	-13.00	60.77	176	1	Vertical
3	2807.3600	42.74	-46.89	28.51	-70.90	-13.00	57.90	132	70	Vertical
4	3509.2000	41.89	-46.52	29.53	-70.36	-13.00	57.36	155	335	Vertical
5	4211.0400	40.89	-45.94	31.12	-69.19	-13.00	56.19	192	307	Vertical
6	4912.8800	41.10	-45.61	32.64	-67.13	-13.00	54.13	142	96	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgsgroup.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com

Frequency Stability for SA

Test Result

Frequency Error VS. Voltage

Voltage										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N12	15	15	DFT-PI2BPSK	M	Outer_Full	VH	NT	-4.200000	-0.005936	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	VN	NT	-3.300000	-0.004664	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	VL	NT	-5.100000	-0.007208	PASS
N12	15	15	CP-QPSK	M	Outer_Full	VH	NT	-1.700000	-0.002403	PASS
N12	15	15	CP-QPSK	M	Outer_Full	VN	NT	-3.000000	-0.004240	PASS
N12	15	15	CP-QPSK	M	Outer_Full	VL	NT	-3.700000	-0.005230	PASS



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000

t (86-512) 62992980 www.sgs.com.cn
 t (86-512) 62992980 sgs.china@sgs.com

Frequency Error VS. Temperature

Temperature										
Band	SCS	Band width	Modulation	Channel	RB Config	Voltage	Temperature	Deviation (Hz)	Deviation (ppm)	Verdict
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-30	-2.700000	-0.003816	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-20	-5.000000	-0.007067	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	-10	-3.500000	-0.004947	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	0	-3.800000	-0.005371	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	10	-4.500000	-0.006360	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	20	-2.600000	-0.003675	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	30	-1.000000	-0.001413	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	40	-1.400000	-0.001979	PASS
N12	15	15	DFT-PI2BPSK	M	Outer_Full	NV	50	-3.000000	-0.004240	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	-30	1.100000	0.001555	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	-20	-2.800000	-0.003958	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	-10	-1.500000	-0.002120	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	0	-3.200000	-0.004523	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	10	-2.500000	-0.003534	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	20	-1.700000	-0.002403	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	30	-0.100000	-0.000141	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	40	-2.900000	-0.004099	PASS
N12	15	15	CP-QPSK	M	Outer_Full	NV	50	-2.400000	-0.003392	PASS

---End of Attachment---



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com
 South of No. 6 Plant, No. 1, Pansheng Road, Suzhou Industrial Park, Suzhou Area, China (Jiangsu) Pilot Free Trade Zone 215000 t (86-512) 62992980 www.sgs.com.cn
 中国·苏州·中国(江苏)自由贸易试验区苏州片区苏州工业园区海胜路1号的6号厂房南楼 邮编: 215000 t (86-512) 62992980 sgs.china@sgs.com